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 aggaaaaatt tgataacgcc aattgctagg cttcccaata ttattcataa gtgggacgcc 180
 attggaaaat tcccatgtgc ttttacattt ttnggcaagc ccgggacata tgtcttgatc 240
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 <213> Ctenocephalides felis

<400> 900
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<210> 901
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 <212> DNA
 <213> Ctenocephalides felis

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 gcgttaagag atgcaaagtt agacaaagga gccatacatg atgttgattt ggtgggaggt 180
 tccacaagaa tacctaaaat tcgatctctg ctacaagaat tctttgcagg aaagacctta 240
 aattcttcca taaatccaga tgaagctgtg gcttatgggtg ctgcagt 287

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 ggccaaggag gctatgccac tcttgtcaat ggtggagttg gctggaaaaa tgtaacttta 180
 ctctatctt ctgagactgg caaaggattt aacttcttag ttgaaatttg gggatattag 240
 attagaaata taatgaaaat gtgaatatag aaaaaaaatt aaatatacaa tagtatttta 300
 aatttggcac acatctatct atgcatccat aaataaaggn tatatacagc attcatttna 360
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ttaaattaaa aaaaatatta tattcagaat ggatatataa tccattcaac tttctaaaac 180

gaacaaagaa atctgcgcca cgtctgatat ctgggaatat gnattggatt taatatatat 240

gntaagnggt taaaaaata tttctatttc atatacctgg 280

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ggtaatggaa tttatctgca aatagtcaaa atcaaaaatta ctatataatg gattattgaa 180

ataatgcttt tatagattgc atttcaattct gtattaaatt gnatgtaaat cacagcacia 240

gatctaacac acaattcatc taacagaaag aactaaataa ttttaattgnt attaaaaatt 300

catataaaat aactttttaca ataaagtaac cttacatgag atgtgttgat ttcagatctt 360

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<210> 905

<211> 421

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 attctaaaat tatgtgaata accaaaattt taaaccatta acacaaatat tttttattcc 180
 cacttaactt attacttatt aaaatattac ttggcaagga tttttatatt tttggatttt 240
 tttagggata ttataaagac gcctttagtt gttgccttat gaataaaatc atatttataa 300
 tacattcaca tattatatac taaactattg agaagactta gacgatttaa tggaattaat 360
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 aggaacatct ctgatagcat gtggagtgat tgcattcttt ataccgaaca tttatcanaa 180
 gcaagtggat agaagaacga gcattgcttc atatggacca taaccatatt tccgtcgtgt 240
 gttgtgaaat gcaattatac tttgagaaag tattatcaat tacaagaaa attcagaagt 300
 tgctactgaa tcattttcta aaacatcgca tgaaaattaa taactcttta ttgttattag 360
 attcgatgta aga 373

<210> 907
 <211> 350
 <212> DNA
 <213> Ctenocephalides felis

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 caccactaaa gaaagtacag tctgcaaagt acaagggttc aaatgtccgc accatcgaga 180
 ttttatccaa atataaatga ttgtcaaagc tattattatt gtgacgaaaa tagtatagga 240
 acccaatatt attgcccgc aattttgcat atgatccgtt acgtcataat tgcggaccta 300
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 <212> DNA
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 atgatatttg tgatgaatga tgttgacatg atgtccgaag acgttggcta agatgcggna 180
 aaattctggt cctggncatc atcgnctccc tttcctggta atctttactt gttcccaatc 240
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<210> 909
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 <212> DNA
 <213> Ctenocephalides felis

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 aatatgatgc tattgtttaa tggtcaataa atgcacaaat tattccacaa atccccgatg 120
 agaccatcac gaatacaaga attggaagct tccccacaga gttaataata gcacctatta 180
 tgggaaatcc aatcgcatat ccagcttnca acattaaaga atgcataaat gcctgttctt 240
 cattgtgtct ttacactcgg tcgtactatt cgtagtatca atgaagtcgt ccgcctaagc 300
 attgatgaat tttggacaac gtagcatatt gtacttggta ctcttggatg agcgttttga 360
 aattctgcat tttacttatg atatcgggaa accacatg 398

<210> 910
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ttttattcct atcttaaaat attcaaattt atatcaaaat ggntcggaaa tctattaaat 120

ggttgggcaaa caattcggga aacnagattt ttcaacgaga aattatgcta gtgcgtctga 180

atattttaatt aatgactcaa aatattcggt ttttgagaca actgggcttg gacaaaagca 240

atcaaggtgt ttatgatggt caatggttcg gatctggccc tacagtaaaa tcagcgtgcc 300

ccagcaatgg taaagtgatt gcagaaacaa tatcaggcac aatcgctgat tacgagagat 360

gtgtgaaagc agcagaaaag cttggccaga atgggccagc ttntgctcc aagacgagga 420

gaaatcgtaa ggcaaattgg agatgctctc cgag 454

<210> 911

<211> 500

<212> DNA

<213> Ctenocephalides felis

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<223> n = unknown

<400> 911

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cctcaagagg gtgggcaacc cgttcagaac accgttacag aaagcactgc ttgagcagtg      120
gaacatgtct cgggaatctc aaagatacct ttagcgaata caatatctat aactgtttgc      180
taaaataaca tttttataga catccccttt aaaatgataa ggaaaatagg ttgcacacat      240
atthttcta atgcataaaaac tgcaggattg gntttctttt ttatttaatt tatttatgtg      300
tgaagtatga aacaatgctt attgctgtgc aacctctttg gttatgtatt gntaaatcat      360
aaaacgtaaa gatctgattt ttagtttggt tacattttga caaacctgca ttagaattga      420
tttgagtgta gtaatttaga ggttgacttt aatttcattt taaaataata aagaaaaatg      480
ctttacgatg catatcccat                                     500

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<210> 912

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<213> Ctenocephalides felis

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<222> (487)..(487)

<223> n = unknown

<400> 912

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gatggttagat gacatctctg ctgaatatga aaacagcatt gcaagaatta gccaagatag      180
caaaattgaa atgattgctg ctgaattcga aaaacaagga tttgcccctg aagtcgatag      240
agatttggaag aggttcaaca aagaagttga aaggaaactt agcaaaaaag tgagtgaagc      300
cgcaaaggga tgccttaaag gccaacacca aaaagctcta ggttttgcac aagaagctcg      360
tgctaaggtc aaggcttgca gggatgataa acgtgaggaa ttcaaccaag ttcgccaaaa      420
tggtctggcc gcctggagag aagccaggga gaacgccgaa ccctcagagc acaagccaag      480
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<210> 913

<211> 406

<212> DNA

<213> Ctenocephalides felis

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 ttttttatat ttaattgcac agatcatttg ngatattatt atattaattg actactttat 180
 gataatttga atcctaatta gtctattcaa gattgttttc ctggtttaag ccttacttag 240
 caatctcact ttgtcattct tcgccgggtg gcgtgggtat gcatcgcaac tccgtttatc 300
 aaagtgaag ccatttggac aatcataatg gtttatttgc catttgntgn taaccaagaa 360
 acattgataa tatttttttac aatctcttcg atcggaaaaa acggtt 406

<210> 914
 <211> 413
 <212> DNA
 <213> Ctenocephalides felis

<400> 914
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 atatgtataa agatttaatt gtataaatgc aatacaaatt aattcagtta aaatttaaga 180
 acatattgca tgacagtttg gtataaagca taaatgactg cttagttttt tttttttaat 240
 gaaagtttta gacatctatt ataggaagat atatggcgga aacagaatca ttacatatac 300
 atcaacatca atgtgcatta cttttttttt taatttctct tcagatagaa tacgatgaat 360
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<210> 915
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<212> DNA

<213> *Ctenocephalides felis*

<400> 915

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agaattggga tttgtgcatt tcatgacggg gcaatcagct tctgacgatt tctttttaca      120
catattttta gaatgatcat atacatagtt aggtgggcat tcgaaaacct gacctttacc      180
atctttgcag aataagtatc ttggtgcagc tttcggatct ggctgatatc ctacaaccgc      240
gcatgtagtt tctgccgtct tacagttttc cccaggtttt gatgagcaca tatcatctac      300
acaaaatgga gcatcggaat ttgagtctct gcaattgatt gttgtaattg gggtttcttg      360
tccagcgcac aacttcaaag tagaacaatc gtgacaaaat gttcccaact gcttattagt      420

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<210> 916

<211> 266

<212> DNA

<213> *Ctenocephalides felis*

<400> 916

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aaatatgatg ctattgttaa atgttcaata aatgcacaaa ttattccaca aatcccgcat      120
gagaccatca cgaatacaag aattggaagc tttcccacag agttaataat agcacctatt      180
atgggaaatc caatcgcata tccagctttc aacattaaag aatgcataaa tgccctgttct      240
tccattgtgt ctttacactc ggtcgt                                     266

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<210> 917

<211> 124

<212> DNA

<213> *Ctenocephalides felis*

<400> 917

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<210> 918

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<212> DNA

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 ttctagctta tgtagctttt tgacaaataa aaattgttta taaaaaanaa aaaaa 175

<210> 919
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 <212> DNA
 <213> Ctenocephalides felis

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 aattgcattt cacaacacac gacggaaata tggttatggc ccatatgaag caatgctcgt 180
 tcttctatcc acttgcttct gataaatgtt cggataaag aatgcaatca ctccacatgc 240
 tatcagagat gttcctgata ttaaaaatgt taaatcgcaa ttataatcta gaattattcc 300
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aaatgtacaa aagggagaag tttctaaaga cgattttaa tctacatgtn cctagtgagt     180
gtgttatatg aaattgctat tgcatattac atacangctt aataaagggt atgggtgattt     240
atttcattta aaggcaatgt atcggtttaa tggtttttaa tttatttttt atttaatat      300
aaatagatta attaaaaatc tataaagtga taagaggcct gatatccata atattattga     360
atattaagaa gtgacggata gatctgataa tgtagtagtt ggtatagaca atttacttaa     420
taattatgag ttgcatcatt atgcaatg                                         448
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<210> 921

<211> 500

<212> DNA

<213> *Ctenocephalides felis*

<400> 921

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tccttaccat ctttcccaac cttgccaaca tcttcccca cagcaggatt tccttttgac     120
cgaaaatctc ttgatatgca aacaaaaact ggaactaaat gtacaaaagg agaagtttct     180
aaagacgatt taaattctac atgtacctag tgagtgtgtt atatgaaatt gctattgcat     240
attacataca agcttaataa aggttatggt gatttatctt atttaaaggc aatgtatcgg     300
tttaatgggt tttaaatttat tttttattta atattaaata gattaattaa aaatctataa     360
agtgataaga ggcctgatat ccataatatt attgaatatt aagaagtgac ggatagatct     420
gataatgtag tagttggtat agacaattta cttaataatt atgagtggca tcattatgca     480
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<210> 922

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aaatttaa at tccttgcata attgctcacg acattgtttt aaagtgagaa aatctgggtt 180

gggtcctaaa cttgtatcat agccatattt tccaatagtc attaaacat caacaagtag 240

gtttgggcaa ttttctttca catatttgta tagagttgnt gcttcatttg ggtgaacacc 300

atgtttttct atttcaccac ttgtatttat ttgaatcata actcttaatt tatcaccatg 360

aattttatta gctgaatcta attttgacca agcattctgc cactgtcggc taatttaa at 420

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<210> 923

<211> 491

<212> DNA

<213> Ctenocephalides felis

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 atttttatac atatttttta tatttaattg cacagatcat tngngtattt attatattaa 180
 ttgactactt tatgataatt ngaatcctaa ttagtctatt caagattggt tncctgggtt 240
 aagccttact tagcaatctc actttttgcat tcttcgccgg gtggcgtggg tatgcatcgc 300
 aactccgttt tatcaaagtg caagccattt ggacaatcat aatgttttat ttgccatttg 360
 ttgntaacca agaaacattg ataatatattt ttacaatctc ttcgatcgga aaaaacgttt 420

tcacttttgc atgcagttctg cccgagaaaa atttgggcaa accattcgtt gacgtngntt 480

cacatttnag t 491

<210> 924
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 <213> Ctenocephalides felis

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<223> n = unknown

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<222> (384)..(384)

<223> n = unknown

<400> 924

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cataatacat gggtcacatg cctagcaatt taagtaacag tntttttatc gggaaaattt      120
gtnaataata aattatngnn gatgtatata tncactacac tngngagncat taatattcta      180
tattttaaatt taaataatac ataaaatcat attttttcta ctaaacaatg caanggatgn      240
cttatatgaa tttggatact cttcatatct aaaacagttt tgtcataatt taagaagttt      300
ccaaaaaaat aagttttata taagggggtt acataattca tcgagattaa cacacactca      360
accatccaat atattaattt atnggattta atatatga      398

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<210> 925

<211> 393

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (50)..(50)

<223> n = unknown

<400> 925

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ccagtgggat cgagaaataa tcgcacaatt agctgtgttc gtgccctgga ccaatatgta      120
aatggccaag gaggctatgc cactcttgtc aatgggtggag ttggctggaa aaatgtaact      180
ttactcctat cttctcagac tggcaaagga tttaacttct tagttgaaat ttggggatat      240
tagattagaa atataatgaa aatgtgaata tagaaaaaaa ttaaataatac aatagtattt      300
taaatttggc acacatctat ctatgcatcc ataaataaag gttatatata gcattcatta      360
aaaaaaaaat taaaaaaaaa aaaaaaaaaa aaa      393

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<210> 926

<211> 185

<212> DNA

<213> Ctenocephalides felis

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 caattgttca ccttttagtgc attctgctct gggtttggga accacatgag tgtataacaa 120
 ttcaactgtc ttttnaaaca agcaaacttc atnatggnat atgggatttg ctnatncaca 180
 atggt 185

<210> 927
 <211> 423
 <212> DNA
 <213> Ctenocephalides felis

<400> 927
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 gcttgaaaat tgaaaattac tctccattat ttacatgcg ataatttatt ttgtttaga 120
 tcaaagatat aagaattagt gataaattta aagaaataag agaacaataa acatattgtt 180

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aaatcatcat tttagatttg tttattgaca tcccgtgaagt gattagtaat ttgataatga	240
aacatttttaa tataaaatat tatcataaag tatatggcat tatttagacc aagaaatggt	300
ttacttgtat atatgtattt aaaatattta tgtttgtgat tttatttaat gaaataagag	360
ttgcgtcttc gatgcacgta acatcgtttt tatagtaa at gatagattta tgacaaccgt	420
ctg	423

<210> 928
 <211> 433
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

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 <222> (194)..(194)
 <223> n = unknown

<220>
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<222> (231)..(231)

<223> n = unknown

<400> 928

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cttaaacttt gcgtattatg tnaaattaaa atatacnaaa aatatacttt gagtaaatat      120
gttgncaatg atatatcatt gatatagaag gctttttatc agctttttat aaatttcgat      180
aacncagata ttgnttaata aaattacatg tgacccggca atgcttgagg nccctgcata      240
aatatatattg accccattcg ctgctgatat tgcacacttt gttgggattc atcgttagga      300
ttagaatggc ttgatgcagg tatggttccc atgccatttg taatatgcaa tccattttaa      360
tgttgagaca tttgatgtat taacataaga ttagggcctg ttgtggttgc ctattggttg      420
aggattattc gct                                     433

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<210> 929

<211> 310

<212> DNA

<213> Ctenocephalides felis

<400> 929

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tcttggctat aagttcgttg catgttttgc aagtgatttg tttattgcat ttattcccgt      60
ggcatatttt acatgaatca gagtttgcac tacaatcggt accctgatct gatttgcac      120
ctcgagtaat gacacctttt tcaatttttg aatagcagtc gtcctttgga ttcatacaaa      180
ctttggctct cgtctttcct gcatctttga aacattcggt tcttagttct ggaagttttt      240
gaacgttaca acccgatttc tcgcaacaca ttttttctcg gttagtcgag tcacaacttt      300
ctttaaccgt                                     310

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<210> 930

<211> 171

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (5)..(5)

<223> n = unknown

<220>

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<222> (20)..(20)

<223> n = unknown

<220>

<221> misc_feature

<222> (23)..(23)

<223> n = unknown

<220>

<221> misc_feature

<222> (65)..(65)

<223> n = unknown

<400> 930

tttanaaaaa atttattcan ttnattaaat ggataaaaaat taaaaaaaaat gcgaataacct 60

ttttntccag catttggaag gtcattggtg gtttggttag ataagcaatt cattaattag 120

cttagataat ttttttatat aaacttttat tatatataaa aatttatatg t 171

<210> 931

<211> 371

<212> DNA

<213> Ctenocephalides felis

<400> 931

agtgttattt atagattatt ataaatttaa tataattgtg tatagtgcct gatgttaaaa 60

taccaacata atttatgcag ataatatatc tttaatgctc acaagacaat atctaatttt 120

tcttaaaaaat acatataata aatatattaa atgttattgt atttttacac aaatgagcta 180

atatttttac aaatatggat aaatttacta ttatataaat attatattag tcactatttt 240

tacaaggatt gtgtatcata atagttaata tttgacataa tcatttaaac acgttggtat 300

aattaatgtt aaactttatg aatgaaaaga aatagaaaat aactatttgt ctataccaaa 360

aaaaaaaaa a 371

<210> 932

<211> 470

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (13)..(13)

<223> n = unknown

<220>

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<222> (20)..(20)

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 <222> (257)..(257)
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 <223> n = unknown

<400> 932
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 cacctaattgt tgacaaagnc ataatacatg atcacatgcc tagcaattta gtaacngtat 120
 ttttatcggg aaaatttgna aataataaat tatagtagat gtatntatnc actacactgn 180
 gagtcattaa tattctatat ntaaatttaa ataatacata aaatcatatt ttttctacta 240
 aacaatgcaa tggatgnctt atatgaattt ggatactctt catattttaa acagttttgt 300
 cataatttaa gaagtttcca aaaaaataag ttttatataa ggnatttaca taattcatcg 360
 agattaacac aactcaacc atccaatata ttaatttatg taatttaata tatgatatta 420
 aataataaaa tacattgagg acagaatact cagatgtaag cagatattag 470

<210> 933
 <211> 412
 <212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (68)..(68)

<223> n = unknown

<220>

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<222> (148)..(148)

<223> n = unknown

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<221> misc_feature

<222> (199)..(199)

<223> n = unknown

<400> 933

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ggatttgngc atttcatgac gggtgcaatc agcttctgac gatttctttt tacacatatt    120
tttagaatga tcatatacat agttaggngg gcattcgaaa acctgacctt taccatcttt    180
gcagaataaa gtatcttgng cagctttcgg atctggctga taccctacaa ccgcgcatgt    240
agtttctgcc gcttacagtt ttccccaggt ttgatgagc acatatcatc tacacaaaat    300
ggagcatcgg aatttgagtc tctgcaattg attgttgtaa ttggggtttc ttgtcagcgc    360
acaacttcaa agtagaacia tcgtgacaaa atgttcccaa ctgcttatta gt          412
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<210> 934

<211> 363

<212> DNA

<213> Ctenocephalides felis

<400> 934

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tataaaaaaa atgggatttg ggcatttcat gacgggtgca atcgcttctg acgatttctt    60
tttacacata tttttagaat gatcatatac atagttaggt gggcattcga aaacctgacc    120
tttaccatct ttgcagaata aagtatcttg tgcagtcttt cggatctggc tgatatccta    180
caaccgcgca tgtagtttct gccgcttaca gttttcccag gttttgatga gcacatatca    240
tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgttgt aattgggggt    300
tcttgtcagc gcacaacttc aaagtagaac aatcgtgaca aaatgttccc aactgttatt    360
agt                                                                 363
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<210> 935

<211> 419

<212> DNA

<213> Ctenocephalides felis

<220>
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 <222> (46)..(46)
 <223> n = unknown

<220>
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 <222> (90)..(90)
 <223> n = unknown

<400> 935
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 agaattggga tttgtgcatt tcatgacggn gcaatcagct tctgacgatt tctttttaca 120
 catattttta gaatgatcat atacatagtt aggtgggcat tcgaaaacct gacctttacc 180
 atctttgcag aataagtatc ttgtgcagct ttcggatctg gctgatatcc tacaaccgcg 240
 catgtagttt ctgccgtctt acagttttcc ccaggttttg atgagcacat atcatctaca 300
 caaaatggag catcggaatt tgagtctctg caattgattg ttgtaattgg ggtttcttgt 360
 ccagcgcaca acttcaaagt agaacaatcg tgacaaaatg ttcccaactg cttattagt 419

<210> 936
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (44)..(44)
 <223> n = unknown

<220>
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 <222> (486)..(486)
 <223> n = unknown

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 aactttcgac ttaattttta ataaaatata aatataaagg aattgaatcc ttttaattttt 120
 gcaaatgtaa attttgtatt tatttagcca aaatttggag atctgtgtgt ttttaggaata 180
 accagaacaa ttttctattt tgtatagtaa atatcatttg ctacatatata aaatactcta 240
 tattatacat actctgttca tttattttaat tttgggtgaca atagtccgat tttccaaaaa 300
 ataacaatat gcttaaaatt acataaaata tactaatttt gtgacaatat ctacaacata 360
 atcttacttg caaaagaaac ataatttaat tgacgaacaa acataaatgt ggacttaaca 420

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aaatatttaa acaaaatctt cgaatgcttt ttttcaagca tacatttgag ggataaatat 480
tattgntttt atttctgcta 500

<210> 937
<211> 247
<212> DNA
<213> Ctenocephalides felis

<400> 937
aatataattt tattatataa gaaacatatg tataacaata caaattataa ctatttaaca 60
gtcttcttgt gataatttct tgacggccgt atctgtagac tttgatacac cttttttcgg 120
taagctccag aacacctgat ccctgccgaa tacgtgagct tcagttagcg tttccggtaa 180
cttttggtgt aaagtttccg gcaagaacat tccggaagtc gcgcccacca tcatcattac 240
ggaaagt 247

<210> 938
<211> 484
<212> DNA
<213> Ctenocephalides felis

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<222> (28)..(28)
<223> n = unknown

<220>
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<222> (83)..(83)
<223> n = unknown

<220>
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<222> (92)..(92)
<223> n = unknown

<220>
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<222> (96)..(96)
<223> n = unknown

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<222> (105)..(105)
<223> n = unknown

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<222> (160)..(160)
<223> n = unknown

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<221> misc_feature
 <222> (171)..(171)
 <223> n = unknown

<220>
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 <222> (211)..(211)
 <223> n = unknown

<220>
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 <222> (221)..(221)
 <223> n = unknown

<220>
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 <222> (408)..(408)
 <223> n = unknown

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 tcaaacgact tatattatat tacataataa caccgaccacn taaaaatttg ntctgaataa 180
 ataaacttca ttaaacataa aactaagatg nattcccaag natcttatat taatttacta 240
 cttgcttaac gtaagataat aatgataaat atttttatat atactattct atcaaaattt 300
 ctattttcttt gcaattcatt acttcattct tatttttatc tttaacaatt taaattccat 360
 gtcagcgccg ggactcgccc gacgatcgag ctaagaaaat ctaggcgnaa attattttta 420
 taaaattatg ctcaataaat tggTTaattt tttaaaaaat caaaagtgtc cggcatgtcg 480
 tccg 484

<210> 939
 <211> 418
 <212> DNA
 <213> Ctenocephalides felis

<400> 939
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 gaattgggat ttgtgattt catgacgggt caatcagctt ctgacgattt ctttttacac 120
 atatttttag aatgatcata tacatagtta ggtgggcatt cgaaaacctg acctttacca 180
 tctttgcaga ataaagtatc ttgtgcagct ttcggatctg gctgatatcc tacaaccgcg 240
 catgtagttt ctgccgtctt acagttttcc ccaggTTTTg atgagcacat atcatctaca 300
 caaaatggag catcggaatt tgagtctctg caattgattg ttgtaattgg ggTTtcttgt 360
 ccagcgcaca acttcaaagt agaacaatcg tgacaaaatg ttcccaactg cttattag 418

<210> 940
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 940
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 tgatttatttt catttaaagg caatgtatcg gtttaatggt tttaaattta ttttttatttt 120
 aatattaaat agattaatta aaaatctata aagtgataag aggcctgata tccataatat 180
 tattgaatat taagaagtga cggatagatc tgataatgta gtagttgtta tagacaattt 240
 acttaataat tatgagttgc atcattatgc aatgatttat cactattatt tattcaacat 300
 tttatttaac tgcttgcaac ttttaataaa acgcattttt tattgtttta agtataaatc 360
 ttattagggc acaatatgaa aataaaaata agaactttat acaaaagctt tttttataca 420
 atatgcttct tgcgctatta agttaagaaa ttttatttat gcttgtaaaa aacaataaat 480
 gctttattta aaaaaaaaaa 500

<210> 941
 <211> 464
 <212> DNA
 <213> Ctenocephalides felis

<400> 941
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 ctaataacaa taaagagtta ttaattttca tgcgatggt ttagaaaatg attcagtagc 120
 aacttctgaa ttttctttgt aattgataat actttctcaa agtataattg catttcacaa 180
 cacacgacgg aaatatgggt atgggccata tgaagcaatg ctggttcttc tatccacttg 240
 cttctgataa atgttcggta taaagaatgc aatcactcca catgctatca gagatgttcc 300
 tgatattaaa aatgttaaat cgcaattata atctagaatt attcctacaa cattgcttca 360
 acaacacttc ctaatcgacc catcattaaa gatatacata ctgccattgc ctgagttgtg 420
 tagggctgaa aggccattaa ttataataa ttattttaat ttgg 464

<210> 942
 <211> 496
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (90)..(90)
 <223> n = unknown

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<220>
<221> misc_feature
<222> (170)..(170)
<223> n = unknown

<400> 942
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tttaattttt atacatatatt tttatatatta attgcacaga tcatttgtgn atttattata      180
ttaattgact actttatgat aatttgaatc ctaattagtc tattcaagat tgttttcctg      240
gtttaagcct tacttagcaa tctcactttt gcattcttcg cggggtggcg tgggtatgca      300
tcgcaactcc gttttatcaa agtgcaagcc atttggacaa tcataatggt ttatttgcca      360
tttgttgtta accaagaaac attgataata ttttttacia tctcttcgat cggaaaaaac      420
gttttcactt ttgcatgcag ttctgcacga gaaagatttt ggggtcaaacc attcgtgacg      480
cgcttcacat ttcagt                                     496

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<210> 943
<211> 340
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (9)..(9)
<223> n = unknown

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<220>
<221> misc_feature
<222> (12)..(12)
<223> n = unknown

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<220>
<221> misc_feature
<222> (26)..(26)
<223> n = unknown

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cgattactac agtattatat ttataatatg ttcaatatcg cactgtgggc caattttatt      120
ttgaccaaag gtttatgtaa gaatccaggt tttcttgatc atgtaaaatg ttgggtccatt      180
atcttaaatt aaaaaaatta ttatattcag aatgatatat aatccattca acttttctaaa      240
acgaacaaga aatctgcgcc acgtctgata tctgtgaata tgtattgtat ttaatatata      300
tggttaagtg ttaaaaatat atttctattt catatacttg                                     340

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<210> 944
 <211> 324
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

<400> 944
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 taaggcattt aagaatttta caatttagat ctttttaa at ccatgaatat atttgttcta 120
 atcaaaatta ttcattttac gcttaatttt attggttgaa ctaatagata gatagataaa 180
 gatatagagt taatataaaa atgaagaaaa taaaattaaa agtaagaaat aatacggact 240
 tctaaatgta gggggaagtc ccctagtggc ggacacctaa agttatttat aaataaatca 300
 aaaaaaaaaa aaaaaaaaaa aaaa 324

<210> 945
 <211> 213
 <212> DNA
 <213> Ctenocephalides felis

<400> 945
 ttcattgcaa gaacttcata ataaagcaat atttaa atga ttgattttgt tgtgtaatta 60
 agtaatgttg aatatacaag tgttttagtta aatgttttgt ttcaattcag aagacgtctg 120
 atttgcaa ac agctttgagt aattgcacta taaaatgtat aaacgtcagc ttaaaattat 180
 gtcaatgttt atcatgcact tgtaaattaa ggt 213

<210> 946
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 946
 gtgaagacga cgtcaacgaa tggtttggcc caaaatcttt ctcgatgcaga actgcatgca 60
 aaagtga aaa cgttttttcc gatcgaagag attgtaaaaa atattatcaa tgtttcttgg 120
 ttaacaacaa atggcaaata aaacattatg attgtccaaa tggcttgac tttgataaaa 180
 cggagtgtcg atgcataccc acccccggc gaagaatgca aaagtgagat tgctaagtaa 240
 ggcttaaacc aggaaaacaa tcttgaatag actaattagg attcaaatta tcataaagta 300
 gtcaattaat ataataaata cacaaatgat ctgtgcaatt aaatataaaa aatatgtata 360


```

aaaattaaaa tgtataaaat tgtattttat gtaaggagca caaacaaaat gtcattaact      420
atagtaatttt ctgattattt aaaatatata aatatagaag ctttatgaaa ttcattgtatc      480
tttttaataa aaataaatcg                                                    500

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<210> 947
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<222> (40)..(40)
<223> n = unknown

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<223> n = unknown

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<222> (83)..(83)
<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<220>
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 <222> (406)..(406)
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<220>
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 <222> (430)..(430)
 <223> n = unknown

<220>
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 <222> (442)..(442)
 <223> n = unknown

<220>
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 <222> (482)..(482)
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 ccttnttgta ttaaaatata tgtatatatta tgaatatgna tttcttgat tttagggttaa 180
 attcnctata gaataatttg gaaatacata ttcataatgc taaagtatta aattggcttt 240
 tttccattaa aatcctattt aacattatac atatatttta ttgtcaaatg tgaggcggtta 300
 tggaatcacg ggtggctgct ttctgagtag tcgaaccttt taggcaaaaa ttgtgtagat 360
 caaactcant tctacaatct tgagctcatn ccattctcag aacatncatg tattttaagtt 420
 aacttattgn atttaacagc tnttgaggaa atactgtgaa tatgtttaag ataaatacaa 480
 gngaaattgg cggcatctaa 500

<210> 948
 <211> 328
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (36)..(36)
 <223> n = unknown

<400> 948
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ttaaataac	aactagcagc	agccagagtt	tcaactgatg	ttggcattaa	agtaggagaa	120
gccctcagga	atgtcgtgga	acttcgttta	aatttgggaa	aatgttcttc	agacaatttg	180
aataaatggg	aatccagatt	ggaagaaatt	aatgatgttg	tggaaaattg	catcgtgtga	240
aattgtaact	tgaaataatt	tttcttaact	attagtttta	tagatgaaca	aatacataat	300
ctaataaacc	agcaagtgaa	ctaaaaaa				328

<210> 949
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 <212> DNA
 <213> Ctenocephalides felis

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gcttaaaactt	tgcgtattat gtaaaattaa aatatacaaa aaatataactt tgagtaaata 120
tgttgtcaat	gatatatcat tgatatagaa ggctttttat cagcttttta taaatttcga 180
taacacagat	attgataaat aaattacatg tgacccggca atgcttgagg ccctgcataa 240
atatatttga	ccccattcgc tgctgatatt gcacactttg ttgggattca tcgttaggat 300
tagaatggct	tgatgcagggt atgggtccca tgccatttgt aatatgcaat ccatttaaata 360
gttgagacat	ttgatgtatt aacataggat tagggcctgt tgtggttgcc tattggttga 420
ggattattcg	ctagggacat ttgagaactg ttctgaatca attgcatttg tggctgactt 480
tgatttacta	ttgctgatag 500

<210> 950
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 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

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atgttctaga aatcaaagtg taaagttcaa ggtttgtata gcttaataaa gtaaacattt 120
taaaatgtaa tgaatttatc tgcaaatagt caaaatcaaa attactatat aatgattatt 180
gaaataatgc ttttatagat tgcatttcaa tctgtattaa attgtatgta aatcacagca 240
caagatctaa cacacaattc atctaacaga aagaacaaaa taattttaat gttattaaaa 300
attacatata aaataacttt tacaataaag taaccttaca tgagatgtgt tgatttcaga 360
tacttttcat acaacagtgc tttctgttaa acaatataat ataaataacg gtcctgccgg 420
cgggcgctcg aaagccgatt ttacaaaatt canggcgcaa gggctgctaa ngaagcggga 480
cacgtagaaa gccagtcgc 500

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<210> 951
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<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<220>
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 <223> n = unknown

<220>
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 <222> (418)..(418)
 <223> n = unknown

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 ncataatata tgatcacatg cctagcaatt tagtaacagt atttttatcg ggaaaatttg 120
 taaataataa attatagtag atgtatntat aactacact gngagncatt aatattctat 180
 ntntaaattt aaataatata taaaatcata ttttttctac taaacaatgc aatggatgtc 240
 ttatatgaat ttggatactc ttcataattt aaacagtttt gcataattta agaagtttcc 300
 aaaaaaataa gttttatata agggntttac ataattcatc gagattaaca cactcaac 360
 catccaatat attaatttat gtaatttaaat atatgatatt aaataataaa atcattgngg 420
 acagaatctc agatgtaagc agatattag 449

<210> 952
 <211> 487
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (20)..(20)
 <223> n = unknown

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 agctctgtta tatcttgttg aaatgcagcg ttggactgtc ttatcaccga ggtgtttcca 120
 acaaatttga gggctactgg tgtggcaata tctatggtag ctgctcgact tggaggcata 180
 attggcaatg tggtaattgc aactttatta gacatgtatt gccagcccca acattttattg 240
 tagcactact attggctgga ggtggctgat gtgtctatct ttgcctaaca cgaccaggga 300
 accactttca taagaaaagc tcatcatata acagtcaggc gatataataa atatatttat 360
 tcttctgctc catcccaaaa acttgatttt gaaattcaaa tcttataaaa taatgagttt 420

tcttagaaaa atgttataaa taattatcct aaagcattca taaatttcat taatgatgac 480
 ttcgtat 487

<210> 953
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 953
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 ttatagatgc tgatatgttc agaggaattg gatctcttag cagtttgaat cttagtagta 120
 atggaatagt agaaatctat ccaagagctt tcgataattt gattgacttg agattttattg 180
 acttgacaca taatctactt actttcttac ctgcaacgtc ttccaaaata atgatcattt 240
 ggatgttatt aaaatttcta acaaccgaa tctcatgaat ttgcctagat ttcattcaaa 300
 tttgtcatcg ttaccactt atatgtttga agcagtaaata tgcggattac ttagcttaga 360
 caaacatata tttgctgaaa tgccttccat ggcgcaactg aatttagctc agaactcgat 420
 caaagattta aaatataata ttttctggca tatgcgcaat ttaatcagct tagatttgag 480
 taataataaa atcaacaaac 500

<210> 954
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 <212> DNA
 <213> Ctenocephalides felis

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<222> (199)..(199)

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<223> n = unknown

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gaaagcaaat ctnttataaa aatattaatg cacttatgtc aatagtttca tatagtattg 120

ccaggaaaag ctaagtatta agtataatat atttagttat tcttaaacad atgttgntgn 180

tggttttgata aaagctggnc ttaaaatgac tttatataca gcaattatct tcaataatcc 240

tttccacaat tttgctcggn gtgttttagt ttgctcaaat ctatgggtgt attgntttcc 300

acatatgtct taattttctt catcaattcc gatgatgggt tttgctcacg tgtgagaatc 360

caagctaatt catttttcct cgtggatgaa ttgngcagct ccacacaata gcaaatttat 420

caaatcgct ttttagt 437

<210> 955

<211> 419

<212> DNA

<213> Ctenocephalides felis

<400> 955

gtgatttccc tgaattgagt gttgaaatcg acggcgtaac tgaatctatt atgaagcgta 60

ctgctcttgt cgcaaacaca tctaacatgc ctgctcgccgc tcgtgaagct tccatttaca 120

ccggtatcac tctcagtga tacttccgtg atatgggtta caacgtatct atgatggctg 180

attccacttc tcgttgggct gaagctttga gagaaatttc aggtcgtttg gctgaaatgc 240

ctgccgatcc cggttatcca gcgtacttgg gagctagggt ggctcttttc tacgaacgtg 300

ctggccgtgt aaaatgtttg ggtaatcctg aacgtgaagg ctgagtatca attgtaggag 360

ctgtatcacc gccgggtggtg acttctcaga tccgtcactt cagctacatt gggtattgt 419

<210> 956
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 <212> DNA
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 <223> n = unknown

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 <222> (293)..(293)
 <223> n = unknown

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 gagaggctcc gtttcgccaa attctattcg aattgcatca ttcaagagcg ggatttttgc 180
 cacgagcgat tgatctgnat gtttggtatt atcacatttc atagtgnatga ttctacttc 240
 ggcgtgatgt ctactccatt tagtttctgt aaactctacc agaggatcga ggntttcgcc 300
 tcgttctaaa cttgctactt ctaacgcaaa atcgggtctat tataaaattg tggacattga 360
 tggccgaatc gtccattggt tcaaccatgt caccaagtgg cctaggtata taattcggcc 420
 gcactaagt 429

<210> 957
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

<400> 957
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 acgacacctt cgagaaggcc aattcaaaaa tgcaagtttt gaccaaattg gacgacgaag 120
 atccaaaata tcagatgaag aacatcacat aaatcaatca aagtgattta atttaaataa 180
 tccattattg tgcaaagaca attgtaaata aaagataaga actttgtcat caagagtga 240


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cttgtcatgg tgtttgctta aagatttgtg agtgatttta tttttgacat acacgtggaa 300
gtgaatttgt tagtttaaga ttttaattcta atttaattta gtgtaattgt tgtaattaat 360
tatttttaag atgcttaaata aggttttg 387
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<210> 958
<211> 347
<212> DNA
<213> Ctenocephalides felis
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<223> n = unknown
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<223> n = unknown
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<223> n = unknown
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<223> n = unknown
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<223> n = unknown
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<223> n = unknown
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<220>
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<223> n = unknown

<220>
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<223> n = unknown

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cntnentaat ttaaatcaaa attaaattcg agtaacaaaa gtngtaaaca aatagaatta      180
gttctaattt acttatncct aaactaattc agataagttg agtagatcgc attttctttt      240
aatttaataa aaaaaattat gaggnattaa atatttcaca tattgntttt aaatgtttca      300
gatatcttat acaagtttgn acactattat tacaaagatt tcgcttg                      347

<210> 959
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (19)..(19)
<223> n = unknown

<220>
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<222> (63)..(63)
<223> n = unknown

<220>
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<222> (217)..(217)
<223> n = unknown

<220>
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<223> n = unknown

<400> 959
cgatcgctct ggaatgtgna gacgacgtcc acgaatgggt ttgaccctaa tctttctcgt      60
gcngaactgc atgccaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat      120
tatcaatggt tcttgggtta caacaaatgg caaataaaac attatgattg ccaaatggct      180
tgcactttga taaaaccgga gttgcgatgc ataccncgc ccccgcgaa gaatgcaaaa      240

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gtgagattgc taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt 300
caaattatca taaagtagtc aattaatata ataaatcacn aatgatctgt gcaattaaat 360
ataaaaaata tgtataaaaa ttaaaatgta taaaattgta tttatgtagg agcacaacca 420
aatgcattaa ctatagtaat ttctgttatt taaaatatat aatatagaag cttatgaatt 480
aaaaaaaaaa aaaaaaaaaa 498
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<210> 960
<211> 453
<212> DNA
<213> Ctenocephalides felis
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<220>
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<223> n = unknown
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<222> (15)..(15)
<223> n = unknown
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<220>
<221> misc_feature
<222> (30)..(30)
<223> n = unknown
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<220>
<221> misc_feature
<222> (192)..(192)
<223> n = unknown
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<220>
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<222> (410)..(410)
<223> n = unknown
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tatatatattga atatagaaag caaatctatt ataaaaatat taatgcactt atgtcaatag 120
tttcatatag tattgccagg aaaagctaag tattaagtat aatatattta gttattctta 180
aacatatgtt gntgggtgtt tgataaagct gtgtcttaaa atgactttat atacagcaat 240
tatcttcaat aatcctttcc acaattttgc tgggtgtgtt ttagtttgct caaatctatg 300
gggtgtattgg ttccacata tgtcttaatt tctttcatca attccgatga tgggttttgc 360
tcacgtgtga gaatccaagc taattccatt tttcctcgtg gatgaattgn gcagctccac 420
acaatagcaa atttatcaaa atcgcttttt agt 453
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<210> 961
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 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

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 atctttgnta tgaaaataaa tattttacta taactaattt tagatagatc gatttatcta 180
 tgtcgtgcct ttttaaagt tgntaaattt aaataaaca acataatgat aatatatatt 240
 aaaaaatata aatctgtgat aaaataaaga aaaatgttaa cactatttta gtcttttctt 300
 cttggctttc atctttttct ccacgcttc cattttcatg tcttctaaat cttccattat 360
 tccaattttt ttactaatat attcttctct cataacttga gcaaagtttg attccatatt 420
 tatatcatca tcatcttcgc ccggnatctt gtttgcata ccgaatatat ctttaatgna 480
 ttttgaatag ca 492

<210> 962
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

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FC-8-C3.ST25.txt

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catccaaaat gtaatactta tagtctcctg gggcttccaa atatttgaga ccgttttctt	120
ctttaatagg ccaagaattt gcttttgctc tctcaagagc ttcacgagat ctgattgtga	180
tgcctctaaa gtcattacct ttttcatagc tttttattcc ataattgtaa gtcaattoga	240
ttacaaaatg atcatcttct gatccataac caatcattgt tttgctccag cggtttgc	300
agggggccatt gcaagcggct tcacaacctt cactgaattc ttcatgacgc aataccttca	360
ttgcaagtca tccttataga atttataggt tagtcttctt tctggnattt taaaaacaaa	420
atgtaaagct cgccgcttat catttttaat aatcaattca cgcgatttaa taaattatta	480
agaaacttca acttattaac	500

<210> 963
 <211> 454
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (14)..(14)
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<220>
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 <222> (19)..(19)
 <223> n = unknown

<220>
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 <222> (26)..(26)
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 <222> (81)..(81)
 <223> n = unknown

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aagcataatt gatgggtcgg ngcatagggt ataaagaatt gggatttgat catttcatga	120
cgggtgcaatc agcttctgac gatttctttt tacacatatt tttagaatga tcatatacat	180
agttaggtgg gcattcgaaa acctgacctt taccatcttt gcagaataaa gtatcttgtg	240
cagctttcgg atctggctga taccctacaa cccgcgcgat tagtttctgc cgtcttacag	300
ttttccccag gttttgatga gcacatatca tctacacaaa atggagcatc ggaatttgag	360
tctctgcaat tgattgttgt aattgggggt tcttgtcagc gcacaacttc aaagtagaac	420

aatcgtgaca aaatgttccc aactgcttat tagt

454

<210> 964
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 <212> DNA
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<220>
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 <222> (4)..(4)
 <223> n = unknown

<220>
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 <222> (14)..(14)
 <223> n = unknown

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 <222> (58)..(58)
 <223> n = unknown

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 <222> (108)..(108)
 <223> n = unknown

<220>
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 <222> (240)..(240)
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 <222> (258)..(258)
 <223> n = unknown

<220>
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 <222> (343)..(343)
 <223> n = unknown

<400> 964
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 tattatttct atcgattcct gaaaaattta cgttgttttg gtgaaagngc atttattcgt 120
 tacatttctg ataacttaaa aactatttgc ggaaaactaa aaatatgttt ggagaaaata 180
 tagaaaattg aatagtctaa aacattttcc taacatagga agaccctaca gcaactcggn 240

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ataactcaaaa aagtttgntg aaaagttgat aaatattcac agcgcttcac tgttttggtc	300
ttgagtttag gaaaagtgc tttatttata acttttgaac ggnttatttg attgaaatga	360
aatattcggc aaatttatag aaaattaaat aatctacaaa tttttctttt accgcaacag	420
aaaccacaaa atattccctt cgctaatacg ggtaaacatc acaaaatgta tcgaatcaat	480
atTTTTTTTaa attgaaattg	500

<210> 965
 <211> 448
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (361)..(361)
 <223> n = unknown

<220>
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 <222> (373)..(373)
 <223> n = unknown

<220>
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 <222> (383)..(383)
 <223> n = unknown

<400> 965	
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actttttttt tgtcgaatta ttatacaaat gtgaaaattt aatttaattg atttaatat	180
atattccgaa tgttgccaat actcaaaagt ttgaatagca ctgttactgt gtgaatcgcc	240
tggtgaaaaa aactagaatt tatttacaaa atgggtctagt gcaaaattta gagacacgta	300
acttacaaca gccccaaaag agcgctagag caaaacacca cgcgatttat acagtaattg	360
ntctgtgcat tgntatctat tgnatgtgtg acttaagttg tatacatggc ttcataaggc	420
aacaataaac aagttaatat cgttttgt	448

<210> 966
 <211> 370
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (344)..(344)

<223> n = unknown

<400> 966

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gttgtaggaa taattctaga ttataattgc gatttaacat ttttaataatc aggaacatct      120
ctgatagcat gtggagtgat tgcattcttt ataccgaaca tttatcagaa agcaagtgga      180
tagaagaacg agcatgcttc atatggccat aaccatattt ccgtcgtgtg ttgtgaaatg      240
caattatact ttgagaaagt attatcaatt caaagaaaat tcagaaagtt gctactgaat      300
cattttctaa aacatcgaca tgaaaattaa taactcttta ttgntattag attcgatgta      360
agatatatgt                                     370

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<210> 967

<211> 416

<212> DNA

<213> Ctenocephalides felis

<400> 967

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ggtcgcaatt tgtcattgca ccaagcataa attgatgggt ccggtgcata gggtataaaa      60
gaattgggat ttgtgcattt catgacgggt caatcagctt ctgacgattt ctttttacac      120
atatTTTTtag aatgatcata tacatagtta ggtgggcatt cgaaaacctg acctttacca      180
tctttgcaga ataagtatct tgtgcagctt tcggatctgg ctgatatcct acaaccgcgc      240
atgtagtttc tgccgtctta cagttttccc caggttttga tgagcacata tcatctacac      300
aaaatggagc atcggaattt gagtctctgc aattgattgt tgtaattggg gtttcttgcc      360
agcgcacaaac ttcaaagtag aacaatcgtg acaaaatgtc ccaactgctt attagt      416

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<210> 968

<211> 379

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (211)..(211)

<223> n = unknown

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<222> (213)..(213)

<223> n = unknown

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aatgattcag tagcaacttc tgaattttct ttgtaattga taataactttc tcaaagtata      120
attgcatttc acaacacacg acggaaatat gggtatggnc catatgaagc aatgctcggt      180
cttctaccca cttgcttctg ataaatggtc ngnataaaga atgcaatcac tccacatgct      240
atcagagatg ttcttgatat taaaaatggt aaatcgcaat tataatctag aattattcct      300
acaacattgc ttccaacaac acttctaate gacccatcat taaagatata catactgcca      360
ttgcttgagt tgtgtaggg                                     379

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<210> 969
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (374)..(374)
<223> n = unknown

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<220>
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<222> (432)..(432)
<223> n = unknown

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<400> 969
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gaaatggtga tccatgatgg aagtgatgga acggtgaacc accgccccct ctgtgattat      180
ttgcagattc tggatctaaa gggatcttca ccgttgtcaa actgagctct tttctcagga      240
tcagtaagaa cctcttttagc agcagcaata tctataaaat tattctctgc tattttcttt      300
tcatcatctt tgaaattatc aggatgccat ttttgtgctg cttttcgata agctttaatg      360
atctcttgct ttgnagctgg tctttttaca cctagaattt tataatagtc tcttctctca      420
gcttgctttt gnaacctctg agccttcaaa agcccatctt tcgctctctg atcatgctca      480
tttatttcca aagctgatta                                     500

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<210> 970
<211> 341
<212> DNA
<213> Ctenocephalides felis

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<220>
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 <222> (12)..(12)
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<220>
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 <222> (288)..(288)
 <223> n = unknown

<400> 970
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 cgattactac agtatttatat ttataatatg ttcaatatcg cactgtgggc caatttttatt 120
 ttgaccaaag gtttatataa gaatccaggt tttcttgatc atgtaaaatg ttgggtccatt 180
 atctttaaatt aaaaaaatta ttatattcag aatgatatat aatccattca acttttctaaa 240
 acgaacaaga aatctgcgcc acgtctgata tctgtgaata tgtattgnat ttaatatata 300
 tgttaagtgt ttaaaaatat atttctatct catatacttg t 341

<210> 971
 <211> 447
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (11)..(11)
 <223> n = unknown

<220>
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 <222> (76)..(76)
 <223> n = unknown

<220>
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 <222> (119)..(119)
 <223> n = unknown

<400> 971
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 aaattgatgg gtccgngcat agttataaaa gaattgggat ttgtgcattt catgacggng 120
 caatcagctt ctgacgattt ctttttacac atatttttag aatgatcata tacatagtta 180
 ggtgggcatt cgaaaacctg acctttacca tctttgcaga ataagtatct tgtgcagtct 240
 ttcggatctg gctgatatcc tacaaccgcg catgtagttt ctgccgtctt acagttttcc 300
 ccagggttttg atgagcacat atcatctaca caaaatggag catcggaatt tgagtctctg 360
 caattgattg ttgtaattgg ggtttcttgt cagcgcacaa cttcaaagta gaacaatcgt 420

gacaaaaatgt cccaactgct tattagt

447

<210> 972
 <211> 370
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (11)..(11)
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<220>
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 <222> (20)..(20)
 <223> n = unknown

<220>
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 <222> (36)..(36)
 <223> n = unknown

<220>
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 <222> (43)..(43)
 <223> n = unknown

<220>
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 <222> (172)..(172)
 <223> n = unknown

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 <222> (307)..(307)
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<400> 972
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 actatataat gattattgaa ataatgcttt tatagattgc atttcaatct gnatttaaatt 180
 gtatgtaaat cacagcacia gatctaacac acaattcatc taacagaaag aacaaaataa 240
 ttttaatgtt attaaaaatt acatataaaa taacttttac aataaaagtaa ccttacatga 300
 gatgtgntga tttcagatac ttttcataca acagtgcttt ctgtataaac aatataatat 360
 aaataacggt 370

<210> 973
 <211> 480
 <212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (357)..(357)

<223> n = unknown

<400> 973

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gttgggaagca atgttgtagg aataattcta gattataatt gcgatttaac atttttaata      120
tcaggaacat ctctgatagc atgtggagtg attgcattct ttataccgaa cttttatcag      180
aagcaagtgg atagaagaac cgagcattgc ttcatatgga ccataaccat atttccgtcg      240
tgtgttggtga aatgcaatta tactttgaga aagtattatc aattcaaaga aaattcagaa      300
gttgctactg aatcattttc taaaacatcg acatgaaaat taataactct ttattgntat      360
tagattcgat gtaagatata tgtacatact cataggtaaa aaatgttaat gccgcaatgt      420
caaaattatt aagagaataa ataaatactt aaaatataaa aaaaaaaaaa aaaaaaaaaa      480
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<210> 974

<211> 397

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (27)..(27)

<223> n = unknown

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<222> (36)..(36)

<223> n = unknown

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<223> n = unknown

<220>

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<222> (127)..(127)

<223> n = unknown

<220>

<221> misc_feature

<222> (194)..(194)
 <223> n = unknown

<220>
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 <222> (230)..(230)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (331)..(331)
 <223> n = unknown

<220>
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 <222> (355)..(355)
 <223> n = unknown

<400> 974
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 tcaatcnaag gtgattaatt taaatatcat tattggtgcc aagaccattg taataaaaga 180
 taagaacttt gtctcagag tggacttgct atggtgttgc taagattgtn gtgtttat 240
 tgcacacgt ggagtgttg tagtttaaga ttaattctat ttatttagtg tattgtgtat 300
 ttattttttt aagatgctta ataggttgtc ntattgtgag tcaagtgtaa tggtncttga 360
 tccaattaga aattaaaaaa aaaaaaaaaa aaaaaaa 397

<210> 975
 <211> 496
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (36)..(36)
 <223> n = unknown

<220>
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 <222> (48)..(48)
 <223> n = unknown

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<400> 975
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 aggtggggaa cattttgcc gattgttcta cttttgaagt gggngcgctg ggacaagaaa 120

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cccccaattac aacaatcaat tgcagagact caaattccga tgctccattt gtgtagatga	180
tatgtgtctca tcaaaacctg ggggaaaact gtaagacggg cagaaactac atgcgcgggt	240
gtaggggatat caagccagat ccgaaagact gccaagatac ttattctgca aagatggtaa	300
aggtcaggggt ttttcgaatg cccacctaac tatgtatatg atcattctaa aaatatgtgt	360
aaaaagaaat cgtcagaagc tgattgcacc gtcatgaaat gcacaaatcc caattctttt	420
ataacctatg caccggccca tcaatttatg cttgggtgcga tgacaaattg caccgatcgt	480
ctgaaatgtc aaacca	496

<210> 976
 <211> 373
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (86)..(86)
 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 <222> (127)..(127)
 <223> n = unknown

<220>
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 <222> (157)..(157)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (247)..(247)
 <223> n = unknown

<220>
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 <222> (345)..(346)
 <223> n = unknown

<220>
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<222> (358)..(358)

<223> n = unknown

<400> 976

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tggatttatc ttttatccat ccagcncnga anggggataa aaaataccca tagaaatctt 120

ttcaggnatg gccatttata cattttttta ttacagncat caaaaaaata gtatttctat 180

gttattttttc aaaatctata cattgataag ggtagaaaat ttgttcgggtt aattttcagg 240

ctgaggntgc tactgtagta atagaacaat ttaataatc taaaatttgt taatctattc 300

atttaatcat tcaatagtaa atttcctttt ggaatttcca atggnnnggca ttacgggnaa 360

caaaagcttc tcg 373

<210> 977

<211> 328

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (35)..(35)

<223> n = unknown

<220>

<221> misc_feature

<222> (66)..(66)

<223> n = unknown

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<222> (120)..(120)

<223> n = unknown

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<222> (132)..(132)

<223> n = unknown

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<222> (142)..(142)

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<222> (198)..(198)

<223> n = unknown

<220>

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<222> (221)..(221)

<223> n = unknown

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<220>
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<222> (295)..(295)
<223> n = unknown

<400> 977
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tagttaatga cnttttggtt gngctcctta cataaaatac aattttatac attttaattt      180
ttatacatat tttttatntt taattgcaca cgatcatttg ngatatttatt atattaattg      240
actactttat gataatttga atcctaatta gtctattcaa gattgttttc ctggnttaag      300
ccttacttag caatctcact tttgcatt                                           328

<210> 978
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (425)..(425)
<223> n = unknown

<220>
<221> misc_feature
<222> (479)..(479)
<223> n = unknown

<220>
<221> misc_feature
<222> (484)..(484)
<223> n = unknown

<400> 978
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aacagtgtca tggaaagtta ttaatgagac ttatgacgaa tcatccgata gaatcaaatt      120
gttagatcat gacaatatac caaattctgc tttggaaatt gatttggctg aaaaaagcga      180
tcgaggagaa tatacatgta ttgctactaa tcaaggcatt ggaattactg ttaattctac      240
aaccttggtt cgagttcaag ataaattagc tgcttgtggc catttttggg tatctgtgct      300
gaagtaataa ttttatgcgc gattattctc atttatgaaa agaaacgcac aaagctgaaa      360
tggaggagag tgatacagat caaagtcaga tcgaaaaaat cttctgatca catgaaggac      420
actgntgtga ggcattgaag taacccaaaa tttaatctag ttggataaag ttatgcceng      480
agtngaagta tccaagag                                                         498

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<210> 979
 <211> 122
 <212> DNA
 <213> Ctenocephalides felis

<400> 979
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 atcatgtaag aattaatggt cgaacagacc aaattttaaa acttctgcat tttaaaatta 120
 tc 122

<210> 980
 <211> 478
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (10)..(10)
 <223> n = unknown

<220>
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 <222> (69)..(69)
 <223> n = unknown

<220>
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 <222> (127)..(127)
 <223> n = unknown

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 <222> (242)..(242)
 <223> n = unknown

<220>
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 <222> (313)..(313)
 <223> n = unknown

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 ataaagctnc tatatttata ttttttaa atcagaaat tactatagtt aatgacattt 120
 tgtttgngct cttacataa aatacaattt tatacatattt aattttttata catatttttt 180
 atattttaatt gcacagatca tttgtgtatt tattatatta attgactact ttatgataat 240
 tngaataccta attagtctat tcaagattgt tttcctgggt taagccttac ttagcaatcc 300
 cacttttgca ttnttcgccg ggtggcgtgg gtatgcatcg caactccgtt ttatcaaagt 360

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gcaagccatt tggacaatca taatgtttat ttgccatttg tgtaaccaa gaaacattga 420
 taatattttt tcaatctctt cgatcggaaa aaacgtttca cttttgctgc agttctgc 478

<210> 981
 <211> 210
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n = unknown

<400> 981
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 cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tggataaaat 180
 ctcgatgggtg acggacattt gaaaccttgt 210

<210> 982
 <211> 385
 <212> DNA
 <213> Ctenocephalides felis

<400> 982
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 gttgttgga gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta 120
 atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat 180
 cagaagcaag tggacagaag aacgagcatt gcttcatatg gaccataacc atatttccgt 240
 cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattcaaa gaaaattcag 300
 aagttgctac tgaatcattt tctaaaacat cgacatgaaa attaataact ctttattgtt 360
 attagattcg atgtaagata tatgt 385

<210> 983
 <211> 167
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (80)..(80)
 <223> n = unknown

<400> 983

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taccatcctt accatctttn ccaaccttgc caacatcttc cccaacagca ggatttcctt 120
ttggccgaaa atctcttgat atgcaaaca aaactggaac taaatgt 167

<210> 984
<211> 210
<212> DNA
<213> Ctenocephalides felis

<400> 984
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gggccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattggggtt 120
cctatactat ttctgtcaca ataataatag ctttgacaat catttatatt tggataaaat 180
ctcgatggtg acggacattt gaaaccttgt 210

<210> 985
<211> 481
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (56)..(56)
<223> n = unknown

<220>
<221> misc_feature
<222> (195)..(195)
<223> n = unknown

<220>
<221> misc_feature
<222> (468)..(468)
<223> n = unknown

<400> 985
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tcataaagct tctatattta tatattttaa ataatcagaa attactatag ttaatgacat 120
tttgtttggtg ctctttacat aaaatacaat tttatacatt ttaattttta tacatatttt 180
ttatatttaa ttgncagat catttggtgta tttattatat taattgactc tttatgataa 240
tttgaatcct aattagtcta ttcaagattg ttttctggt ttaagcctta cttagcaatc 300
tcacttttgc attcttcgcc gggtggcgtg ggtatgcac gcaactccgt tttatcaaag 360
tgcaagccat ttggacaatc ataatgtttt atttgccatt tgttgttacc aagaacatt 420
gataatattt ttacaatct ctctgatcgg aaaaacgttt cacttttnat gcagttctgc 480

a

481

<210> 986
 <211> 360
 <212> DNA
 <213> Ctenocephalides felis

<400> 986
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 ttgatctggg ctacaggatt ccttaaccgg atctgctcct atttccggac aatactgcat 120
 ttcgggtgaa ctgcacgaat tcacgcaact aaattttact tttttacatt tttgctcggg 180
 tttcgggtaca ggtgtaggtt caggagtagg tactactcct ggtgcgggct catccaatga 240
 tgcaaatcct ctttattttac tgttaaaggc gttccgcgac attaaactca ccatcataag 300
 cggtaacgac agataacgcc caaaactaat aaaaaccaat gtgatataaa acatttctaat 360

<210> 987
 <211> 489
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 aaccatctgc aggaggntgt tcatatgtat cttgacctgc atcgaaacct ttgcttggaa 180
 gttcatcgcc aaagggtgaa tcaagnttga attctttgcc atcgcttctt ttcagagtat 240
 ctgntactgg attaaaatct aagcgccag caattgatag agctgtgact aattcaggac 300
 ttgtgacaaa acagtgagtg gcnggattag catcattacn gcctgtgaaa tttctattat 360
 atgaagtaac aattggggtt tctctctttc ttcacatcct tacganccca ctgccgatgc 420
 aaggccacag gcattggctt aaacagtgcc ccaaattcac cggagagggtt gggcaattcc 480
 atctcgttc 489

<210> 988
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 988
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 acccaaattc caattttgac tatgcccaac gatgatatta ctcaccctat tcctgatttg 120
 actggttaca tcaactgaagg acagatctac gtagacagac aactgcacaa caggcaaattc 180
 taccacactg taaacgtatt gccttccttg tcacgtttga tgaaatctgc cattgggtgag 240
 ggtatgacac gtagagatca ctctgatgtg tccaatcaat tgtatgcttg ctacgccatt 300
 ggtaaggacg tgcaggctat gaaggctgtc gtaggagagg aagctttgac acctgatgac 360
 ttgttgact tggaattctt gacgaaattt gagaagaact ttatctcaca gggtaattat 420
 gagaaccgc acagtatttg aatctttgga cattggctgg caattgttgc gtatcttccc 480
 aaggagatgt tgaagagaat 500

<210> 989
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 <212> DNA
 <213> Ctenocephalides felis

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 <222> (246)..(246)
 <223> n = unknown

<220>
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 <222> (315)..(315)
 <223> n = unknown

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 catttagttc cagtttttgt ttgcataatc agagattttc ggccaaaagg aaatcctgct 180
 gttggggaag atgttggcaa ggttgggaaa gatggtaagg atggtatgga tggggaagaa 240
 gtgncncttg ccctaaacag tctgattgat atgcaggtag gcaactgctgc agaacgctgt 300
 tgaaatataa ctcanctgca caagcatatc gggcccgtcg aatacacctt gagcggttaa 360
 tgtgcactcg tagt 374

<210> 990
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 aggtagtcgg tgttatagag ctacattaca tttttaaatc ttcgtgttga aaaagtgggt 180
 gctgttgctc aaaatatttt tttcagagtt taaggattga gagaagcaca ttagcccgta 240
 tagaccttac acagcaaaag tgttgaataa aatgcatggt tcagaaaatt atgatttaga 300

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ccaattaagt attcgaaaat ttcaaagtga atattcatca ttcaattata gcatgctata 360
taactttctac ggaatgtgca tctattaaca tttttaaaat aggactatga agcaaagtgg 420
aagcatcaat tatatgaact attgctgaaa aatgtgatca tgccaaaaca ctcattatga 480
atctgattgn gcattcat 498

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<210> 991
<211> 330
<212> DNA
<213> Ctenocephalides felis

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ttcattttta tattaactct atatctttat ctatctatct attagttcaa ccaataaaat 180
taagcgtaaa atgaataatt ttgattagaa caaatatatt catggattta aaaaaatcta 240
aattgtaaaa ttcttaaatg cttatcata tttgcgagcc tgtgttcaac cataatatat 300
ttttatataa cacataaagt aaaacaaagt 330

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<210> 992
<211> 451
<212> DNA
<213> Ctenocephalides felis

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attatgtgaa taacccaaat tttaaaccat taacacaaat attttttatt cccacttaac 180
ttattactta ttaaaatatt acttggaag natttttata ttttgtattt ttttaggtat 240
attataaaga cgcctttagt tgttgcccta tgaataaaat acatatttat aatacattca 300
catattatat actaaactat tgagaagact tagacgattt aatggaatta atatgaagga 360

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atttattaat ttaaatttta taaatataaa aaatttttagg ctttttttaa gatatcctat 420
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<210> 993
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 <213> Ctenocephalides felis

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<220>
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 <222> (349)..(349)
 <223> n = unknown

<220>
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 <222> (357)..(357)
 <223> n = unknown

<400> 993
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 caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat 180
 agattttgaa taataacata gaaattatac tatttttttg atgactctaa taaaaaaaaat 240
 gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaatggc 300
 catgtctgaa aagattttcta tgtgtatttt tttgntaaca ttttattgnt gaatggntaa 360
 aagataaata caattttata agctgggttg ataaattaat tttgaataaa tcataatcat 420
 agaatatgtt aagtagcaaa ttaaaatatg gccacaaacc accaaatgta tcgaaatatt 480
 acttatatga ttatgaaa 498

<210> 994
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<223> n = unknown

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 <222> (500)..(500)
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 acaatagcaa cctctgcctg aaaattaacc gaacaaactt ctaacatcct tattaatgna 180
 tagattttga ataataacat agaaattata ctatTTTTTT gatgactcta ataaaaaaaa 240
 tgtataaatg gccatgcctg atatatTTTT gataacctta atgaaaaaat gtttaaatgg 300
 ccatgtctga aaagatttct atgtgnattt ttttgnntaac attttattgn tgaatggata 360
 aaagataaat caatTTTata agctgtttgg ataaattaat tttgaataaa tcataatcat 420
 agaatatgtt aagtagcaaa ttaaaatatg gccncaaccn ccaaatgnnt ncgaaatata 480
 acttatatgn ttntgaanan 500

<210> 995
 <211> 165
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (54)..(54)
 <223> n = unknown

<400> 995
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 atctgtcgtt accgcttatg atgggtgagtt taatgtcgac ggaacgcctt taacagtaaa 120
 taaagaagta tttgcatcat tggatgaacc cgcaccagga gtagt 165

<210> 996

<211> 484
 <212> DNA
 <213> Ctenocephalides felis

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<220>
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 <222> (226)..(226)
 <223> n = unknown

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 tttatacata ttttttatat ttaattgcac agatcatttg ggtatttatt atattaattg 180
 actactttat gataatttga atcctaatta gtctattcaa gattgntttc ctgggtttaag 240
 ccttacttag caatctcact tttgcattct tcgccgggtg gcgtgggtat gcacgcgaac 300
 tccgttttat caaagtgcaa gccatttggg caatcataat gttttatttg ccatttggttg 360
 gtaaccaaga aacattgata atatttttta caatctcttc gatcggaaaa aacgttttca 420
 cttttgcatg cagttctgcc gagaaaagaa tttgggcaaa ccattcgggtg acgcgcttca 480
 catt 484

<210> 997
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 <212> DNA
 <213> Ctenocephalides felis

<400> 997
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 ttggttaaca acaaattggc aataaaacat tatgattgtc caaatggctt gcactttgat 180
 aaaacggagt tgcgatgcat acccacacca cccggcgaag aatgcaaaag tgagattgct 240
 aagtaaggct taaaccagga aaacaatctt gaatagacta attaggattc aaattatcat 300
 aaagtagtca attaataata taaatacaca aatgatctgt gcaattaaat ataaaaaata 360
 tgtataaaaa ttaaagtgtg taaaattgta ttttatgtaa ggagcacaaa caaatgcat 420
 taactatagt aatttctggt atttaaaata tataaatata gaagctttat gaaattaaaa 480
 aaaaaaaaaa aaaaaa 496

<210> 998
<211> 357
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 <222> (228)..(228)
 <223> n = unknown

<220>
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 <222> (342)..(342)
 <223> n = unknown

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 atctgggcta caggattcct taaccggatc tgctcctatt tccngacaat actgcatttc 120
 ggggtgaactg cacgaattca cgcnactaaa ttntactttt ttacattntn gctcngggtt 180
 cggtnccagggt gtaggttcan gaggaggtag tactcctggt gcggncctnat ccaatgatgc 240
 aaatcctctt tattttactgt taaaggcgtt ccgcgacatt aaactcacca ttatagcggc 300
 aacgacggat aacgccacaa aactaataaa aaccaatggg anataaaaca ttctaata 357

<210> 999
 <211> 405
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (404)..(404)
 <223> n = unknown

<400> 999
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 gcataagaat cattccactg gtccaccgga tggactgcat catggcaatg tgtgctctat 120
 cttcacttct ggatatttcc atcgcaatta tcaaagggtt ttgaaaaaca gatgtagatg 180

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ttagtgaacc aagaaaagcc gctgttataa aaacaataaa ccaactggaa gttaatgctg	240
taattagtct tccggtgacg attgtgatga gacttaagta aaatactggg cttcttccaa	300
tctgtctcc taattgacca aagataaatg tacctatgac ttcgcctgca cgtcctatag	360
caaatgtatt agttacatac agttctctat caaggacggg gggng	405

<210> 1000
 <211> 493
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (145)..(145)
 <223> n = unknown

<220>
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 <222> (223)..(223)
 <223> n = unknown

<220>
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 <222> (420)..(420)
 <223> n = unknown

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aaagatacat gtaatttcat aaagcttcta tttttatata ttttaaataa tcagaaatta	120
ctatagttaa tgacattttg tttgngctcc ttacataaaa tacaatttta tacattttaa	180
tttttataca ttttttttat atttaattgc acagatcatt tgngtattta ttatattaat	240
tgactacttt atgataattt gaatccta atagtctattc aagattgttt tcttggttta	300
agccttactt agcaatccca cttttgcatt cttcgccggg tggcgtgggt atgcatcgca	360
actccgtttt atcaaagtgc aagccatttg gacaatcata atgttttatt tgccatttgn	420
tggtaaccaa gaaacattga taatatTTTT tacaatctct tcgatcgga aaaacgtttt	480
cacttttgca tgc	493

<210> 1001
 <211> 251
 <212> DNA
 <213> Ctenocephalides felis

<400> 1001	
aataaatata attttattat ataagaaaca tatgtataac aatacaaatt ataactattt	60

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aacagtcttc ttgtgataat ttcttgacgg ccgtatctgt agactttgat acaccttttt 120
tcggtaagct ccagaacacc tgatccctgc cgaatacgtg agcttcagtt agcggtttccg 180
gtaacttttg gtgtaaagtt tccggcaaga acattccgga agtcgcgccc accatcatca 240
ttacggaaag t 251
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<210> 1002
<211> 360
<212> DNA
<213> Ctenocephalides felis
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<220>
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<222> (66)..(66)
<223> n = unknown
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aaaggntgca ttaaataac aactagcagc agccagagtt tcaactgatg ttggcattaa 120
agtaggagaa gccctcagga atgtcgtgga acttcgttta aatttgggaa aatggttcttc 180
agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg 240
catcgtgtga aattgtaact tgaaataatt tttcttaact attagtttta tagatgaaca 300
aatcataatc taataaacca gcaagtgaac ttcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
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<210> 1003
<211> 383
<212> DNA
<213> Ctenocephalides felis
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<221> misc_feature
<222> (25)..(25)
<223> n = unknown
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<220>
<221> misc_feature
<222> (29)..(29)
<223> n = unknown
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<220>
<221> misc_feature
<222> (151)..(151)
<223> n = unknown
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<220>
<221> misc_feature
<222> (248)..(248)
<223> n = unknown
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<220>
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<222> (357)..(357)
<223> n = unknown

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ttgttggaag caatgttgta ggaataattc tagattataa ttgcgattta acatttttaa      120
tatcaggaac atctctgata gcatgtggag ngattgcatt ctttataccg aacattttatc      180
agaagcaagt ggatagaaga acgagcattg cttcatatgg ccataaccat atttccgctcg      240
tgtgttgnga aatgcaatta tactttgaga aagtattatc aattcaaaga aaattcagaa      300
gttgctactg aatcattttc taaaacatcg acatgaaaat taataactct ttattgntat      360
tagattcgat gtaagatata tgt                                             383

<210> 1004
<211> 407
<212> DNA
<213> Ctenocephalides felis

<400> 1004
aacatattta tataagtttt ttccctgtaa atagtaaata tgaattttgt ttgagaaaat      60
agttgcatgt gtatcatggt aaacaaaatc tatgtgaact tcttgattaa tttaatcact      120
tatttatatt tgcacgcggt gataatattt aagatatgaa atctatagaa gcgatccttt      180
gtatgacaaa gttgacattg ttaatcatat ataccaatga tttgcgacat atgttatggt      240
gctatttgtc ccttaaaaat ctacatgtgt agtgaatttg ttctgcttct acgttgataa      300
atgcttggat atagtgtttt gaatactttt tataaatata catatatatt gaattaaaca      360
atcaaaagaa ataaaaatgt aaaaaaaaaa aaaaaaaaaa aaaaaaa                    407

<210> 1005
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (31)..(31)
<223> n = unknown

<220>
<221> misc_feature
<222> (413)..(413)
<223> n = unknown

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 gtaatttcat aaagcttcta tttttatata ttttaaataa tcagaaatta ctatagttaa 120
 tgacattttg tttgtgctcc ttacataaaa tacaatttta tacattttaa tttttataca 180
 ttttttttat atttaattgc acagatcatt tgtgtattta ttatattaat tgactacttt 240
 atgataattt gaatcctaatt tagtctattc aagattgttt tcttggttta agccttactt 300
 agcaatctca cttttgcatt cttcgccggg tggcgtgggt atgcatcgca actccgtttt 360
 atcaaagtgc aagccatttg gacaatcata atgttttatt tgccatttgt tgntaaccaa 420
 gaaacattga taatattttt tacaatctct tcgatcgga aaaacgtttc acttttgcatt 480
 gcagtctgca cgagaaagat 500

<210> 1006
 <211> 212
 <212> DNA
 <213> Ctenocephalides felis

<400> 1006
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 ctattattat tgtgacgaaa atagtatagg aaccaatat tattgccccg caaattttgc 120
 atatgatccg ttacgtcata attgcccggacc tatggctctg ggcacaaaat gctatacagt 180
 tacatgtcct gcacagccta aggtgctttc gt 212

<210> 1007
 <211> 378
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (24)..(24)
 <223> n = unknown

<220>
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 <222> (64)..(64)
 <223> n = unknown

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 <222> (85)..(85)
 <223> n = unknown

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<223> n = unknown

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<222> (197)..(197)

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<222> (305)..(305)

<223> n = unknown

<400> 1007

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gacatgtctg aattttatct taccatcaac taaagattcc atgtgagctc ttgcgcaagn 180

tccatctcgt tcaaaangat tttggnatct atattgntcg tccaagntcc caaatattct 240

ttcatttcaa atttttccat aggaaccgct ttaggacaaa gactttgtcc aagattttgc 300

cgaancaaaa tgcaatgcac acaaaataaa tcgtgatttt tgcattttta gggtgaaaat 360

atttttaaact gtgattct 378

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<211> 210

<212> DNA

<213> Ctenocephalides felis

<400> 1008

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<210> 1009

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 tgtgatagag aactctatgt aactaataca tttgctattg gacgtgcagg cgaagtcata 180
 ggcacattta tttttggaca attaggagat aggattggaa gaagaccagt attttactta 240
 agtctcatca caatcgtcac cggaagacta attacagcat ttacttccag ttggtttatt 300
 gtttttataa cagcggcttt tcttggttca ctaacatcta catctgtttt tcaaagccct 360
 ttgataattg cgatggaaat atccagaagt gaagatagag cacacattgc catgatgcag 420
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 ctaatagata gatagataaa gatatagagt taatatnaaa atgaagaaaa tnaaattnaa 180
 agttagaaat aatacggnc tctaaatgta gggggaagcc cctagtggcg gcacctaaag 240
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 catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180
 attatgggaa atccaatcgc atatncagct ttcaacatta aagaatgcat aaatgcctgt 240
 tcttccattg tgtctttaca ctcggtcgta ctattcgtag tatcaatgaa gtcgtccgcc 300
 taagcattga tgaattttgg acaacgtagc atattgtact tggttactcct ggatgagcgt 360
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<210> 1012
 <211> 294
 <212> DNA
 <213> Ctenocephalides felis

<400> 1012
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ctagtttttc agtaatgatg taatgttttg gagtttcgat ccaggcaaga acttgctgta 180
tatttggatg tttcagtgat ttactttaat ttatctctct tttaaaattt tcatgttctt 240
gactttccac gccatctatt gtggttgta ccaagagtgg ctttctcgaa atgt 294

<210> 1013
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<212> DNA
<213> Ctenocephalides felis

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aaataagcaa ataaattatt caataaaata tataaaattg atgtttctgt aacatatata 180
ctataagata ataataggat tgttagaaaa ctttaaatta aagtgaagtc tatttcttta 240
gttctttaag gtgcttgcatt ttagatcaat ttcaagacta ttctcaggac tagaattcaa 300
ttggacatta ttgatctctg cagcatgttt tccatcagag acagtcgtta cgcttctgta 360
aaatgaggac caagcgggca tttgattggt gttagtgtcg cattctgaac ttcaaatttg 420
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<210> 1014
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<210> 1015
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tagcaacctc tgcctgaaaa ttaaccgaac aaacttctaa catccttatt aatgtataga    180
ttttgaataa taacatagaa attatactat ttttttgatg actctaataa aaaaaatgta    240
taaatggcca tgcctgatat atttttgata accttaatga aaaaatgttt aaatggccat    300
gtctgaaaag atttctatgt gtattttttt gttaacattt tattgttgaa tggataaaag    360
ataaatacaa ttttataagc tggttggata aattaatttg aataaatcca taatcataga    420
atatgttaag tagcaaatta aaatatggac ccaaaccaca aaatgtatac gaaatataac    480
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<210> 1016

<211> 445

<212> DNA

<213> Ctenocephalides felis

<400> 1016

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aatatttatt tccaatttgc aaatatggaa actaccatcc ctatattata tataattgta    120
tatattcctg aattgtttta tttgaattta ttttaaacac aaactttaat tatattcaaa    180
taatgatgga tgtgatttca tatatcccta aactttggat cagagtttga gagaagccta    240
gccatagtgt atagaaaatt atgtgtaggt gtataattaa gattgcagga gtcaaatata    300
taaagcattg atacaaatta tacattccaa ttttctgtaa accgtgttct ttggttgatt    360
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<210> 1017

<211> 210

<212> DNA

<213> Ctenocephalides felis

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 tataatctat tattgnttgc actttactta 210

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 cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tngataaaat 180
 cttgatggng acgggcattt taaaaccttg t 211

<210> 1019
 <211> 361
 <212> DNA
 <213> Ctenocephalides felis

<400> 1019
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 attataagct atcgtaattt ttagaaaatg agttgacttt aaatataaat acacaaattt 180
 tcatattttt aagaacacaa ttatgttcaa gaacttcaca tatcaagata ctacctcagc 240
 tttacagcat aattggggat cttctatata ttttttactt tggattaatt ttagctcaat 300
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<210> 1020
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ttgtttgngc tccctacata aaatacaatt ttatacattt taatttttat acatattttt 180

tatatttaat tgcacagatc attnggggtat ttatttatatt aattgactac tttatgataa 240

tttgaatcct aattagtcta ttcaagattg ttttctctggg ttaagcctta cttagcaatc 300

tcacttttgc attcttcgcc ggggtggcgtg ggtntgcac gcaactccgt tttatcaaag 360

tgcaagccat ttggacaatc ataatgnttt atttgccatt tgntggtaac caagaaacat 420

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c 481

<210> 1021

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<212> DNA

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 ttaaacattt tttcattaag gntatcaaaa atatatcagg catggncatt tatacatttt 180
 ttttattaga gtcacaaaa aaatagnata atttctatgt tattattcaa aatctatcat 240
 taataaggat gttagaagtt tggtcgggta attttcaggc agaggttgct attgnagtaa 300
 tagaacaatt ttaatcatct aaaatttgat taatctattc atttaatcat tcaatagtaa 360
 atttcctttt ggaatttcga atggntgccca ttacgggaaa caaagtct 408

<210> 1022
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<223> n = unknown

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cctactctaa attaagactg naatttatca ttatctgaca tagttttttg gttttacgta 180

ttttttatta aaattcttgn gaagttcaac aagtagaata ttgntttttt aattgggtta 240

tttggacctt agaatatctt aaaatactct atttacatag agagagcaag atgcttaaat 300

ttatacaata tgtcgagtaa aaccaaaaaa aacgtaaact tgcattgctt ctagacatgc 360

tgctataatc ataaaaaaca gttttgtcca tcttgaaata agtcagatct tatattatat 420

acattaataa tggatcgatc acatattgnt gnatcattga aatgaaataa ttcagggngg 480

aaatataatt ttcctata 498

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aaattatcat naagtngtca attaatatna taaatacaca aatgatctgt gcgattaaat     180
ataaaaaata tgttttaaaa ttaaaatggt aaaattgtgt tttatgttag gngnncaaac     240
aaaagncatt aactatagta atttctgttn ttttaaatat ataaatatag aagctttatg     300
gaatcaaaaa aaaaaaaaaa aaaaaaaaaa     328

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tattgntact aatcaaggca ttggaattac tgntaattct acaaccttgg ttcgagttca      180
agataaatta gctgctctgt ggccattttt gggatatntgt gctgaagtaa taattttatg      240
cgcgattatt ctcatTTtatg aaaagaaacg cnacaaagct gaaatggngg agagtgatnc      300
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gcntgagacc atcacgaata caanaattgg aagctttccc acnnagntaa taatagcacc 180

tattatngga aatcaatcgc atattcagct tncaacatta aagaatgcat aaatgcctgn 240

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<211> 305

<212> DNA

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 aaaattggca aaagcagaag aattgctnaa gaaaaatcaa agaaaagccn aaaaatggta 180
 tcaccgtctt acaggtgaaa gaaaaattta aattgcaaga aatacatatt tttataggag 240
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ttttaagaat tgagttacta gaattattct attatgctgn attatatggt aatataacta      180
tattaaaaga aaaattatta atattaatgc atcttttaat aaactggaaa gaacngcgga      240
naaaaaaaaa aaaaaaaaaa aa                                              262
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<211> 131

<212> DNA

<213> Ctenocephalides felis

<400> 1028

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aaagacaatg t                                                         131
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tttttttntt tttttttttt tttttttgct tcttactttt annnntatatt tcttnatttt      60
tatattaact ctatatcttt atctatctat ctattagttc aaccaataaa attaagcgtn      120
aatgaataa ttttgattag aacaaatata ttcattggatt taaaaaaatc taaattgtaa      180
aattcttaaa tgccttatca tatttgcgag cctgtgttca accataatat ttttttatat      240
aacacataaa gtaaaacaaa gt                                                  262

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```

<210> 1030
<211> 407
<212> DNA
<213> Ctenocephalides felis

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<400> 1030
tagtgctaga tatagtcttt tgaacagatg caaaatagtc tcgttcacgc ctcagttcta      60
aattctcagc gagcaattct tgaatgcgag cggcctgctc ttgtagcttc tcaattgttg      120
cagcatcaca ctcattacca gattgtttgt gcattctttc agattttgca tttctaatag      180
tttttgtgag atgatctaga cgagattcca tgagaataca ttcttgaatt agttcatttt      240
tagtcatagc attaatgtctt tcacattgag catcttcata gacactagaa aattctttta      300
ttaggaaatc ttcctcatct tcaggtaaag acatgaagta gttgtcttca gaatcgacac      360
taaagctaga gtctcgagtt ctggcagatg gaatccttgg ttgaggt                    407

```

```

<210> 1031
<211> 259
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (26)..(26)
<223> n = unknown

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<400> 1031
cccattttta atgaaatcct atcctnccgt tctaacgtga atatcactcc tgtagcagtt      60
cctatggata atagaagtcc cattagggac atagagccac gaatttccat ttaaataatat      120
gtattttatct ttaaataaaa taaaacaata atttgggtcaa ttttaattct catagcatca      180
gcagtttcat aactgtaatt aaatcatcaa taatggctgg tgacaacaaa tgggatattt      240
acagttttta caccattgt                                                  259

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<210> 1032
<211> 166
<212> DNA
<213> Ctenocephalides felis

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<220>
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 <223> n = unknown

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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (67)..(67)
 <223> n = unknown

<220>
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<220>
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 <222> (123)..(123)
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<220>
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 <222> (135)..(135)
 <223> n = unknown

<220>
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 <222> (143)..(143)
 <223> n = unknown

<400> 1032
 ctncatacca ntcagactgt ttaggtgcaa gtgtnacttc ttncccatcc ataccatcct 60
 taccatnctt accatctttt ccaaccttgc caacatcttn cccaacagca ggattttctt 120
 ttngccgaaa atctnttgat atncaaacia aaactggaac taaatg 166

<210> 1033
 <211> 484
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (201)..(201)
 <223> n = unknown

<220>
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 <222> (322)..(322)
 <223> n = unknown

<220>
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 <222> (401)..(401)
 <223> n = unknown

<400> 1033
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 agcttctata tttatatatt ttaaataatc agaaattact atagttaatg acattttggt 120
 tgtgtctcctt acataaaaata caattttata catttttaatt tttatacata ttttttatat 180
 ttaattgcac agatcatttg ngattttatt atattaattg actactttat gataatttga 240
 atcctaatta gtctattcaa gattgttttc ctggtttaag ccttacttag caatctcact 300
 tttgcattct tcgccgggtg gngtggttat gcatcgcaac tccgttttat caaagtgcaa 360
 gccatttgga caatcataat gttttatttg ccatttggtg ntaaccaaga aacattgata 420
 atatttttta caatctcttc gatcggaaaa aacgttttca cttttgcatg cagttctgcc 480
 gaga 484

<210> 1034
 <211> 446
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (47)..(47)
 <223> n = unknown

<220>
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 <222> (81)..(81)
 <223> n = unknown

<220>
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 <222> (135)..(135)
 <223> n = unknown

<220>

<221> misc_feature
 <222> (195)..(195)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (218)..(218)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (260)..(260)
 <223> n = unknown

<220>
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 <222> (268)..(268)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (309)..(309)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (411)..(411)
 <223> n = unknown

<400> 1034
 gaactgcatg ccaaagtga aacgtttttt ccgatcgaag agattgnaaa aaatattatc 60
 aatgttttctt ggtaacaac naatggcaaa taaaacatta tgattgccaa atggcttgca 120
 ctttgataaa acgngttgc gatgcatacc cacgcccccg gcgaagaatg caaaagtgag 180
 attgcttagt aaggnttaaa ccaggaaaac aatcttgnat agactaatta ggattcaaatt 240
 tatcataaag tagtcaattn atataatnaa taccaaata tctgtgcaat taaatataaaa 300
 aaatatgtnt aaaattaaaa tgtataaaaat tgtttttatg taagggcaca aacaaaatgc 360
 attaactata gtaatttctg attattttaa atatataaat atagaagctt ntgaaattaa 420
 aaaaaaaaaa aaaaaaaaaa aaaaaa 446

<210> 1035
 <211> 412
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (29)..(29)
 <223> n = unknown

<220>

<221> misc_feature
 <222> (65)..(65)
 <223> n = unknown

<220>
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 <222> (149)..(149)
 <223> n = unknown

<220>
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 <222> (163)..(163)
 <223> n = unknown

<220>
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 <222> (177)..(177)
 <223> n = unknown

<220>
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 <222> (202)..(202)
 <223> n = unknown

<220>
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 <222> (235)..(235)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (250)..(250)
 <223> n = unknown

<220>
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 <222> (352)..(352)
 <223> n = unknown

<220>
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 <222> (401)..(401)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (403)..(403)
 <223> n = unknown

<400> 1035
 ttattcttaa attaaaggga aattttacnt catacattca acatgaatca attctaaaat 60
 tatgngaata accaaaattt taaaccatta acacaaatat tttttattcc cacttaactt 120

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```

attactttatt aaaatattnc ttggcaagna tttctatatt ttnggatttt tttaggnata 180
ttataaagac gccttttagtt gnttgcctta tgaataaaat acatatttat aatcnttcac 240
atattatttn ctaaaactatt gagaagactt agacgattta atggaattaa tatgaaggaa 300
tttattaatt taaattttat aaatataaaa aatttttaggc tttttttaag anaticctatg 360
ttatattata attcggtttc atttacagat gtggcatata ngnatatttt tg 412

```

```

<210> 1036
<211> 498
<212> DNA
<213> Ctenocephalides felis

```

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<220>
<221> misc_feature
<222> (15)..(15)
<223> n = unknown

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<220>
<221> misc_feature
<222> (25)..(25)
<223> n = unknown

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<220>
<221> misc_feature
<222> (62)..(62)
<223> n = unknown

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<400> 1036
aaataaatag ttcgntattt attgntctta gaataaatat tattcatgct tatttgtatg 60
gntagttgta atatctgaat atatattttg caatagtgca cttttcaagt aatttttagat 120
tagtttatta ttattattat ttttattctt gaactatttc aaatgggtta cttagataaa 180
gtattatgac ttgactgtat aatcaaccga ataaaaggaa tgttatctga aacgcatgga 240
tttataataa ttttcaaata taaataaata ttaaataatta tgcacaaata aatatagaat 300
ttcacctaca tatgtttacc tactggattt tgaaaatata tttttgtatt ttacgaaaaa 360
aggtatcggt tgcagtcatt ttataactat ggtctcataa aattggcaaa atattcaggt 420
aaaatctggt tgctccgctc tccgccagaa ctgcggacat catttttagtc gcctgaacta 480
ttaattttta tcatttta 498

```

```

<210> 1037
<211> 372
<212> DNA
<213> Ctenocephalides felis

```

```

<400> 1037
aaaatccatt taatgaacat catgaacacc atgttggcca agagaagaac taagaagacc 60

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aattggggca agaattctac taatatgctg atcttctggc ggaaatgaac gtgattgaaa	120
acggccatgc aaactccaaa aatcatgtga acgacgccga aaatgataga caacttcatt	180
ttgaaggagt tcaagaaaat aattttgttg gtagccagct gccattgga tctaaaccaa	240
taggatatgc ttctccagca tctgtttttg ggtcaagagt taattcttca ttctccatca	300
cagtggatga attataatth aatgtccatc cagaaccaa aatgttcatg gataaggaga	360
aaatatcgth gt	372

<210> 1038
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (352)..(352)
 <223> n = unknown

<220>
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 <222> (386)..(386)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (489)..(489)
 <223> n = unknown

<400> 1038	
gaggagactt tgthttaccgt aatggacaac cattcgaaat tccaaaagga aatthtactat	60
tgaatgatta aatgtaatag attaatcaaa thtttagatga ttaaaattgt tctattacta	120
caatagcaac ctctgcctga aaattaaccg aacaaaacttc taacatcctt attaatgtat	180
agatthttgaa taataacata gaaattatac tathththttg atgactctaa taaaaaaaat	240
gtataaatgg ccatgcctga tataththttg ataaccttaa tgaaaaaatg thtaaatggc	300
catgtctgaa aagatthtcta tgtgtaththt thtgthtaaca ththtattgtt gnatggataa	360
aagataaata caaththtata agctgnttgg ataaattaat thtgaataaa tccataatca	420
tagaatatgt taagtagcaa attaaaatat ggccacaaac cacaaaatgt atacgaaata	480
taacttatnt gaththttg	498

<210> 1039
 <211> 328
 <212> DNA
 <213> Ctenocephalides felis


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<400> 1039
taaaatgtta aatatttata atatatttct gataaataag ggtcattaaa catcatttgc      60
atgttttttga aaaaacacca caacattgtt tatagtaagc ttgacctttg ttacttttagt    120
tttcaaaaatt tgttcaaggc cctcttctcc ctttccttcg taagcttttt taagtatctc    180
ataagtcaat cctttttttg acatttttgcg aagtgtttca atggttacga ctgatttaag    240
aggtgccaat aatatttagct catcagccat tttttgcatt tccaaaatat catcgataat    300
tctgagtttg tttgaaagtt gcttcagt                                         328

```

```

<210> 1040
<211> 412
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (4)..(4)
<223> n = unknown

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<220>
<221> misc_feature
<222> (20)..(20)
<223> n = unknown

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```

<220>
<221> misc_feature
<222> (38)..(38)
<223> n = unknown

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<220>
<221> misc_feature
<222> (79)..(79)
<223> n = unknown

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<400> 1040
ccgnttttat attatattgn ttatacagaa agcactgntg tatgaaaagt atctgaaatc      60
aacacatctc atgtaaggnt actttattgt aaaagttatt ttatatgtaa tttttaataa    120
cattaaaatt atttagttct ttctgttaga tgaatttgtg gttagatctt gtgctgtgat    180
ttacatacaa ttttaatacag attgaaatgc aatctataaa agcattatct caataatcat    240
tatatagtaa ttttgatttt gactatttgc agataaattc attacatttt aaaatgttta    300
ctttattaag ctatacaaac cttgaacttt acacttttga tttctagaac ataagtatta    360
aataaattgt taaaaatatt tgtggctaga ttttcctatt gctaattgtg tg              412

```

```

<210> 1041
<211> 363

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<212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n = unknown

<220>
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 <222> (84)..(84)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (342)..(342)
 <223> n = unknown

<400> 1041
 ggaagctttt tcaggaaagn tactagagag gngtcatttc caccagtggg ttcaagaaat 60
 aatcgtacaa tcagctgtgt ccgngcccta gaccaatatg taaatggcca aggaggctat 120
 gccactcttg tcaatgggtg agttggctgg aaaaatgtaa ctttactctt atcttctcag 180
 actggcaaag gatttaactt cttagtgtgaa atttggggat attagattag agatttaata 240
 aaaatgttat tatagaaaat atattaaata tacaatagta ttttaaataat ggcacacatc 300
 tatctatgca tccataaata aaggttatct actgcataaa anaaaaaaaa aaaaaaaaaa 360
 aaa 363

<210> 1042
 <211> 484
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (234)..(234)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (265)..(265)
 <223> n = unknown

<220>
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 <222> (304)..(304)

<223> n = unknown

<220>

<221> misc_feature

<222> (322)..(322)

<223> n = unknown

<220>

<221> misc_feature

<222> (331)..(331)

<223> n = unknown

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<221> misc_feature

<222> (384)..(384)

<223> n = unknown

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<222> (387)..(387)

<223> n = unknown

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<222> (423)..(423)

<223> n = unknown

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cggttttttcc gatcgaagag attgtaaaaa atattatcaa tgtttcttgg ttaacaacaa 120

atggcaaata aaacattatg attgtccaaa tggcttgac tttgataaaa cggagttgcg 180

atgcataccc acgcccccg cgaagaatgc aaaagtgaga ttgctaagta aggnntaaac 240

caggaaaaca atcttgaata gactnattag gattcaaatt atcataaagt agtcaattaa 300

tatnataaat cacaaatgat cngtgcaatt naatataaaa aatatgtata aaaattaaaa 360

tgtataaaat tgtgttttat gtanggngca caaacaaaat gcattaacta tagtaatttc 420

tgnttatttta aaatatataa atatagaagc tttatgaaat tcatgtgtct ttttaataaa 480

aata 484

<210> 1043

<211> 257

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (23)..(23)

<223> n = unknown

<220>

<221> misc_feature
 <222> (36)..(36)
 <223> n = unknown

<220>
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 <222> (89)..(89)
 <223> n = unknown

<220>
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 <222> (93)..(93)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (113)..(113)
 <223> n = unknown

<220>
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 <222> (120)..(120)
 <223> n = unknown

<220>
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 <222> (126)..(126)
 <223> n = unknown

<220>
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 <222> (144)..(144)
 <223> n = unknown

<220>
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 <222> (173)..(173)
 <223> n = unknown

<220>
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 <222> (185)..(185)
 <223> n = unknown

<400> 1043
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 gccagcatta aaaaccaat ccttctcgng ttntttcagc gctattttcan atnttaactn 120
 tgtttntaac cgtctcaata cctnttcagg atcgcgtag gcctcatttt tgngtgtcaa 180
 cctgnggtca acatcgccaa tccatgttac caatcgatcc ttacgattag caaacatttc 240
 accgagtccc aaacggtt 257

<210> 1044
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1044
 aacattttcag actttgcacg tccagactgc atcatcatatc gcctacggac agtgtcgaat 60
 ggatatgaca caataccagc aacagttgtg acggcttgtg caatggccca gctgataact 120
 aatgggggtgt tcttgggggtc tggcaacatt ccacgagcgg tgtcatagaa tccaaagtat 180
 gctgcacggg agatgatgat accttgaaca gatactccaa aaccacggta caatccaggg 240
 agaccatcag acttgaagat tttggtcaag cagttgocca atccagagaa ttcacgttga 300
 ccagcgcctt tacctacatc agcggccaat ctggtacggg cgaaatcaag tgggtagacg 360
 aagcacaatg atgtggctcc agcagcacca ccagatgcc aagtttctctgc gaagtaacgc 420
 cagaattggg tcttcttgtc aactccaccc aagaaaactt gcttgtactt gtctttgaat 480
 gcgaagttca aagcctga 498

<210> 1045
 <211> 220
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (43)..(43)
 <223> n = unknown

<400> 1045
 tatataatct gattctcgat ttgcatcttc ataactgatt ctnagatatc cattaccgga 60
 atgttcatca ttacgtctga gttgtccact aaattcaact tttttccatt ttcttccatg 120
 acatgtctga attttatttt accatcaact aaagattcca tgtgagctct tgcgcaagtt 180
 ccatctcggt caaaatgatt ttggtatcta tattgttcgt 220

<210> 1046
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (404)..(404)
 <223> n = unknown

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<400> 1046
ctagtgtggtg tggttatatga aattgctatt gcatattaca tacaagctta ataaagggtta      60

tggtgatttta tttcatttaa aggcaatgta tcggtttaat ggtttttaaatt ttattttttta      120

tttaatatata aatagattaa ttaaaaatct ataaagtgat aagaggcctg atatccataa      180

tattattgaa tattaagaag tgacggatag atctgataat gtagtagttg ttatagacaa      240

tttacttaaat aattatgagt tgcattcatta tgcaatgatt tatcactatt atttattcaa      300

cattttatatt aactgcttgc aacttttaaat aaaacgcatt ttttattggtt ttaagtataa      360

atcttatttag ggcacaatat gaaaataaaa ataagaactt tatncaaaag cttttttttat      420

acaatatgct tcttgcgcta ttaagttaag aaattttatt tatgcttgta aaaaaacaat      480

aatgctttta tttttttt      498

```

```

<210> 1047
<211> 486
<212> DNA
<213> Ctenocephalides felis

```

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<220>
<221> misc_feature
<222> (45)..(45)
<223> n = unknown

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<220>
<221> misc_feature
<222> (51)..(51)
<223> n = unknown

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<220>
<221> misc_feature
<222> (209)..(209)
<223> n = unknown

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<220>
<221> misc_feature
<222> (336)..(336)
<223> n = unknown

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<220>
<221> misc_feature
<222> (484)..(484)
<223> n = unknown

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<400> 1047
tatatgaaat tgctattgca tattacatac aagcttaata aaggntatgg ngattttattt      60

catttaaagg caatgtatcg gtttaatggt tttaaattta ttttttattt aatattaaat      120

agattaatta aaaatctata aagtgataag aggcctgata tccataatat tattgaatat      180

taagaagtga cggatagatc tgataatgna gtagttgtta tagacaattt acttaataat      240

```

tatgagttgc atcattatgc aatgatttat cactattatt tattcaacat tttattttaac	300
tgcttgcaac ttttaataaa acgcattttt tattgnttta agtataaatc ttattagggc	360
acaatatgaa aataaaaaata agaactttat acaaaagctt tttttataca atatgcttct	420
tgcgctatta agttaagaaa ttttatttat gcttgtaaaa aaacaataaa tgctttattt	480
attnaa	486

<210> 1048
 <211> 465
 <212> DNA
 <213> Ctenocephalides felis

<400> 1048	
cactcgtggt cttttcccat cttcattttg actgccaac ataagtataa tgtctttatc	60
ccctagattg ctgcttgaaa caacaactgt atgcacatga cggctatgaa accattctgt	120
gcattttccat gcatcgtcaa tggtatgaat tttgcaacca gtgagcaact ccacctcaaa	180
ttgatttgga gtaacaatat cagccaatgg aataattaat tctctataaa ttggtaataa	240
tgattctgga acatacattt ttccattatc acctaacact ggatcgcaaa cgtatgtcaa	300
ttttggattt ttttctctca attccttaac gacgtttgca attgttttta gaaaatctgg	360
attagctaca taaccggtta ataatgact gtagacattg ataccattca atgctaacc	420
ttctgccagc tctcctaatt ccttgtcgtt agaacttgcc ctcgt	465

<210> 1049
 <211> 131
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (104)..(104)
 <223> n = unknown

<400> 1049	
attgtctttg gagtctcaag aactaattcc agttgaaaca aattccagca gcgttcgtat	60
ttggcagcaa ccattcattt gtccaagagt tgggctattt ttnatccat tggatcctac	120
atgcaaaaagg t	131

<210> 1050
 <211> 358
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (230)..(230)
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 ttccacaaca tcattaatct cttccaatct ggattcccat ttattcaaatt tgtctgaaga 180
 acattttccc aaatctaaac gaagttccac gacattcctg agggcttctn ctactttaat 240
 gccaacatca gttgaaactc tggctgctgc tagttgtata tttaatgcaa ccttttgcatt 300
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cctatggata atagaagtc ctagggac atagagccac gaatttccat ttaaataatat	120
gtatttatct ttaaataaaa taaaacaata atttgggtcaa ttttaattct catagcatca	180
gcagtttcat aactgtaatt aaatcatcaa taatgggtgg tgacaacaaa tgggatattt	240
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 tgntaacaat aaagatttaa aaantttcat aagtattaaa taaatttcac acacaacttt 180
 ntgtattaaa aggggtttta ttatcaatta gttaataaaa taactctaaa attgnnaatg 240
 aaatttttat tgtatatata aaattgaaat acctacattt tgtatgcaga tgttataact 300
 gattgtnagt gaaccaatta ttgtnaggaa tatgggacgc cntattttca ctcatttttt 360
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 acatattttt tatatttaat tgcacagatc atttgngtat ttattatatt aattgctact 180
 ttatgataat ttgnatccta aataggctat tcaagattgt tttcctgggt taagccttac 240
 ttagcaatct cacttttgca ttcttcgccg ggtggcgngg gtatgcatcg caactccgtt 300
 ttatcaaagt gcaagccatt tggacaatca taatgtttta ttgccaattt gttgntaacc 360
 aagaaacatt gataatattt ttacaatct cttcgatcgg aaaaaacgtt ttcacttttg 420
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 tttttatgca tcaaaagtag ttaatgt 147

<210> 1055
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 atatcaggaa catctctgat agcatgtgga gtgattgcat tctttataacc gaacatttat 180

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cagaagcaag tggatagaag aacgaggaat tgnntttatat ggaccataac catattttccg	240
tcgtgtgttg tgaaatgcaa ttatactttg agaaagtatt atcaattaca aagaaaattc	300
agaagttgct actgaatcat tttctaaaac atcgacatga aaattaataa ctctttattg	360
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gctccttaca taaaatacaa ttttatacat ttttaattttt atacatattt tttatatattt	180
attgcacaga tcatttgngg atttattata ttaattgact actttatgat aatttgaatc	240
ctaattagtc tattcaagat tgnnttcctg gtttaagcct tacttagcaa tctcactttt	300
gcattcttcg cgggggggng tgggtatgca tngcaactcc gttttatnaa agtgcaagcc	360
atttgacaaa tcataatgtt ttatttgcca tttgttggtta accaagaaac attgataata	420
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atatcaggaa catctnntat agcatgtgga gggnttgcat tctttattcc cncatttttna 180

taagcaagt gntngaagaa cgagcatttg cttnatatgg ccataaccat atttcgcgtg 240

tgtngaaat gcaattatct ttgngaaagt attatcaatt acnaagaaaa ttcagaaggt 300

gctactgnat ctttttctaa aacatcgcat gaaaattaat aactctttat tgntattaga 360

ttcgatgtaa gaatatg 377

<210> 1058

<211> 283

<212> DNA

<213> Ctenocephalides felis

<400> 1058

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tgcttttcat tttgattcag taatagatta cttcttgaga tagataataa tactgtggag 180

aagtaacctt cacatgaaat aggcttgggt cttataatta ctggctttgt tctggatatt 240

agaaatctga tcacaaaatt ttattaagtt attattatgt taa 283

<210> 1059
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tctgagaaga aaggaggaaa ggtacatttt ttcagncaac tnccatttgc aagagnggna      240
tagcctcctt ggccattttac atattgggtcc agggcacgaa cacagctaatt tgngcgatta      300
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 ttttatacat ttttaattttt atacatatatt ttttatattt aattgcacag ancattnggg 180
 gntttttatta tattaattga cnnctttatg ataattngaa tcctaattag nctattcaag 240

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attgtttcct ggnttaagcc ttacttagca atctcacttt tgcattcttc gccggggggg 300
gnggggtatgc atcgcaactc cgttttatca aagtgcagc catttggaca atcataatgn 360
tttatttgcc atttggngnt aaccaagaaa cattgtnat nttttttaca atc 413
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 acattttggt tgngctccct acataaaata caattttata cattttaatt tttatacata 180
 ttttttatat ttaattgcac agatcattng gggatttatt atattaattg actactttat 240
 gataatttga atoctaattn gtctattcaa gattgttttc ctggnttaag ccttacttag 300
 caatctcact tttgcattct tcgccgggng gcgnggggtat gcacgcgaac tccgttttat 360
 caaagngcaa gccatttgga caatcataat ggtttatttg ccatttgntg ntaaccaaga 420
 aacattgata atattttttc aatctcttng acgggaaaaa cggtttnact tttgcatgca 480
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tcgtacccaa aattctcttt ggatcttgat catgttaaag gtgctttaac ggcattggct 180

cgtatgcatg caaggtgcat tatctacgag aagaaaaaaaa attggtgcat ggggagaggt 240

tacaaagatc ttatgttcga gactatggcc nataataatc aatggtggag gactggagag 300

gatactgctt tagcaattgc tngngaattc gagaaattcg gtaaataatac cgaatccatt 360

ccatggtaca ggagaaggta attgatttcc tgagattggc atggncatg gtaaaccatc 420

ccntttata aaatgtgggt gccnccgat ccnccacac caattgtggt naanataatt 480

aactggctac ntgacaaagc 500

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<212> DNA
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 ccggaattgt tagagaatct gaacaacggt tcgttggttct tcagctacga atacaaccgg 180
 cactgtaaag ggnctttgaa gaaactggct cgaaagctgc tcccgttagg acggccggttc 240
 tgaagattgg gaacaagtaa agattaccan gaaaggggaa cgatgatggc caggaacaga 300
 attttaccgc atcttancca acgtcttcgg acatcatgtc aacatcattc atcacaaata 360
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<210> 1064
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 tacacatatt tttagaatga tcatatacat agttaggtgg gcattcgaaa acctgacctt 180

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tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgttgt aattgggggtt	360
tcttgtccag cgcacaactt caaagtagaa caatcgtgac aaaatgttcc caactgctta	420
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acaagcatta agagatgcaa agttagacaa aggagccata catgatgttg ttttggtggg	180

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aggttccaca aagaatacct aaaattcgat ctctgctcaa gaattctttg caggaaagac 240
cttaaattct tccataaatc cagatgaagc tgtggcttat ggtgctgcag t 291

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ataaaaaattt agcaaaaatg tttataaaat ctttgcttca ttgattattg atcttttaca 180
tttaaaaaaaa aaatcagtnl ttattttgac cggtgagaca aaataaacat cgngagtga 240
ttatttttaga agctataata tatattaact aaatatgt 278

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 <222> (416)..(416)
 <223> n = unknown

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 <222> (428)..(428)
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<400> 1068
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 tggagacaac gtctgaagtc atttccattc cttggtttaa atcaccattt gatttaacag 180
 aatgaggagc ctcatcttta ttttcttgg ntggcatcaa atataatggg ttgcctaaga 240
 gcatgagcgg aatacagcag agccaatta acacaaatat tttttgaatt tgctgntgnc 300
 cttcaaacat aaattcatcg cattgttctg ctggagaacc ttgcttgat aacaacatgt 360
 taatgnacaa gaatcaaac tnntggngcg cagcaggggt caaanctggt ggntgnttat 420
 ttggaganga 430

<210> 1069
 <211> 378
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

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 <222> (267)..(267)
 <223> n = unknown

<400> 1069
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 ccaaggagggc tatgccactc ttgtcaatgg tggagttggc tggaaaaatg taactttact 180
 cctatcttct cagactggca aaggatttaa cttcttagtt gaaatttggg gatattagat 240
 tagaaatata atgaaaatgt gaatatngaa aaaaaattaa atatacaata gtattttaaa 300
 tttggcacac atctatctat gcatccataa ataaagggtta tatacagcat tcaaaaaaaaa 360
 aaaaaaaaaa aaaaaaaaaa 378

<210> 1070
 <211> 229
 <212> DNA
 <213> Ctenocephalides felis

<400> 1070
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 ggatatgaca caataaccagc aacagttgtg acggcttgtg caatggccca gctgataact 120
 aatgggggtgt tcttgggggtc tggcaacatt ccacgagcgg tgtcatagaa tccaaagtat 180
 gctgcacggg agatgatgat accttgaaca gatactccaa aaccacggg 229

<210> 1071
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<222> (347)..(347)

<223> n = unknown

<400> 1071

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gtaaatggcc aaggaggcta tgccactctt gtcaatgggtg gagttggctg gaaaaatgta 180

actttactcc tatcttctca gactggcaaaa gggattttaac ttcttagttg aaatttgggg 240

atattagatt agaaatataa tgaaaatgtg aatatagaaa aaaaattaaa tataacaatag 300

tttttttaaatt ttggcacaca tctatctatg catccataaa taaaggntat atacagcatt 360

caaaaaaaaa aaaaaaaaaa aaaaaaa 387

<210> 1072

<211> 205

<212> DNA

<213> Ctenocephalides felis

<220>

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<223> n = unknown

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<223> n = unknown

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<222> (133)..(133)

<223> n = unknown

<400> 1072

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aaaattggaa tgnataattt gtatcaatgc tttatatatt tgactcctga caatcttaat 180

tatacaccta cacataattt tctat 205

<210> 1073

<211> 150

<212> DNA

<213> Ctenocephalides felis

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 <222> (2)..(2)
 <223> n = unknown

<220>
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 <222> (101)..(101)
 <223> n = unknown

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 cgatgggtttc agactttttt ctttcataaa tacttttttg ngatatgaac atacttcgca 120
 aaaattaaat ttgacaaaaa aaattttaagt 150

<210> 1074
 <211> 222
 <212> DNA
 <213> Ctenocephalides felis

<400> 1074
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 aggattcctt aaccggatct gctcctatct cccgacaata ctgcatttcg ggtgaactgc 120
 acgaattcac gcaactaaat tttacttttt tacatttttg ctgggggttc ggtacaaaat 180
 gctatacagt tacatgtcct gcacagccta aggtgcttcc gt 222

<210> 1075
 <211> 467
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (28)..(28)
 <223> n = unknown

<220>
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 <222> (187)..(187)
 <223> n = unknown

<220>
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 <222> (209)..(209)
 <223> n = unknown

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<223> n = unknown

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<222> (263)..(263)

<223> n = unknown

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<222> (383)..(383)

<223> n = unknown

<400> 1075

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aacatatttta cagtattttcc tcaaaaactg ttaaatacaa taagttaact taaatacatg	180
gatgttntga gaatgtggat gagctcaana ttgtngaact gagtttgatc tacacaattt	240
ttgcctaaaa ggttcgacta ctnagaaagc agccacccgt gattncatac cgctcacat	300
ttgacaataa aatatatgta taatgttaaa taggatttta atggaaaaaa gccaatthaa	360
tacttttagca ttatgaatat gtntttccaa attattctat aacgaattta acctaaaata	420
caagaaatac atattcataa atatacatat attttaatac aaaaagg	467

<210> 1076

<211> 500

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (409)..(409)

<223> n = unknown

<400> 1076

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aagcatggac atttgaaatt tggtttattt ttaaccaaac aataagtcaa ttacaagaga	120
aataaaaatt tcaaagaaaa ccaagacaca atactgataa ttgtatgttt agtagattca	180
tataaaactt ccttaactga aatgctgata taaactactt ttaacagcaa ctccatgagc	240
atcaatgata gcagtcttaa aattatgttt tcatacatat atcattgatt ttttagcata	300
gcagtttagat gacaattaca tttatttaaa gttacgaatg ttgtcctttc acagagtatt	360

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aatttaaatgt attttgctaa gaaatcaaaa atgaatgtaa ttcgggggna ttctcacttt	420
tcattgtaga gaatattgca ttaggtttcg atattatcac aattcatctg tttagacttc	480
agccattcgc aaattcattt	500

<210> 1077
 <211> 205
 <212> DNA
 <213> Ctenocephalides felis

<400> 1077	
ctgctaatta tatacaaatt atcaaaggca atgttaatgc taatacaact gataaagttg	60
agacaaaata aaggaagatt cagataaaaa tgtaaattatt aatattaggc atttataaca	120
aatcatgtgc ttttccttgc tcactaagat cttgctatta tgttatgggt gatactagac	180
aactgtatat taagtaatta taagt	205

<210> 1078
 <211> 304
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (237)..(237)
 <223> n = unknown

<400> 1078	
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ctctaataata ttactgttga gcaacatatt tttatagata agagtagatg taataattca	120
ttttaagaat tgagttacta gaattattct attatgctgt attatatgtt aatataacta	180
tattaaaaga aaaattatta atattaatgc atcttttaat aaactgaaaa gaacagngaa	240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	300
aaaa	304

<210> 1079
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1079	
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg	60
catgcaaaag tgaaaacgtt ttttccgac gaagagattg taaaaaatat tatcaatgtt	120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg	180

FC-8-C3.ST25.txt

ataaaacgga gttgcatgac ataccacgc ccccgccgaa gaatgcaaaa gtgagattgc 240
 taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca 300
 taaagtagtc aattaatata ataaatacac aaatgatctg tgcaattaaa tataaaaaat 360
 atgtataaaa attaaaatgt ataaaattgt attttatgta aggagcacia acaaaatgtc 420
 attaactata gtaatttctg attattttaa atatataaat atagaagctt tatgaaatta 480
 catgttcttt ttaataaa 498

<210> 1080
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis .

<400> 1080
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 cctctcgcaa gttcctgtgt cgcagctttg agtagcttgg ttaaatactg ttccaatcgg 120
 acattgatca ggaactggct ctcttttagg acgtaaacac gtgaagaact tccggcatgt 180
 tgcgtcggtt ttgaaagcaa attttccacg tgctcggcat tgcccacac aggtttcgct 240
 ccttggggaa aactcggcgg gttcttcgca ttgcaatacg gttcctcttc cggccataca 300
 tacgacgtac aatgatttat caccaatgta cggaagcacc ttaggctgtg caggacatgt 360
 aactgtatag ctttttgtgc ccagagccat aggtccgcaa ttatgacgta acggatcata 420
 tgcaaaaattt gcggggcaat aatattgggt tcctatacta ttttcgtcac aataataata 480
 gctttgacaa tcatttat 498

<210> 1081
 <211> 495
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (64)..(64)
 <223> n = unknown

<220>
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 <222> (176)..(176)
 <223> n = unknown

<220>
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 <222> (402)..(402)
 <223> n = unknown

<220>
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 <222> (404)..(404)
 <223> n = unknown

<400> 1081
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 tatnaactct atatctttat ctatctatct attagttcaa ccaataaaat taagcgtaaa 120
 atgaataatt ttgattagaa caaatatatt catggattta aaaaaatcta aattgnaaaa 180
 ttcttaaagt ccttatcata ttgcgagcc tgtgttcaac cataatattt ttttatataa 240
 cacataaagt aaaacaaagt catattttgt atagtttctt ttggtgaata cttcatcaat 300
 atattaatat aatttaggtt tcctctcgca agttcctgtg ttgcagcttt gagtagcttg 360
 gttaaatact ggtccaatcg gacattgatc aggaactggc tntnctttag gacgtaaaca 420
 cgtgaagaac ttccggcatg ttgcgtcggt cttgaaagca aattttcacg tgctcggcat 480
 tgccgacaca ggttt 495

<210> 1082
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1082
 aatcaattat ttattgacta tataaataat atacagatgt tagttaaaat tgcatacaac 60
 atgaacattt cattttcttc tatttttgac aaagtttatt ttaaacaggt gttgaaataa 120
 tttcagtgtc cagctttact ttactggcaa cactcatatc aacataacga tctccaattg 180
 atacgaccat tccacccaag attgagggat taactttaag ggtagtaat aagttttctt 240
 tgggttttaa gaatcctctt aaagtgcctt caagttgttt ttgttgattc tcatctaaag 300
 gtttagctgt tgtaacttca catggaacct ctccacgatg agcagacatc ataactttat 360
 aagcgttgat aacaccttcc agtttattta aacgtccatt ctcagcaagt aactccagca 420
 agttggatgt agctggagcc atttgcagct tgctgctggc ttcttcaat gcatttgatt 480
 taatggagcg cttgaaag 498

<210> 1083
 <211> 394
 <212> DNA
 <213> Ctenocephalides felis

<400> 1083
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 ccaccagtgg gatcgagaaa taatcgaca attagctgtg ttcgtgccct ggaccaatat 120

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gtaaatggcc aaggaggcta tgccactctt gtcaatgggtg gagttggctg gaaaaatgta	180
actttactcc tatcttctca gactggcaaa ggattttaact tcttagttga aatttgggga	240
tattagatta gaaatataat gaaaatgtga atatagaaaa aaaatttaat atacaatagt	300
attttaaatt tggcacacat ctatctatgc atccataaat aaagggttata tacagcattc	360
attaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa	394

<210> 1084
 <211> 438
 <212> DNA
 <213> Ctenocephalides felis

<400> 1084	
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aacacgaacg tcaatggacc tacagatttt ggcatcatac ctaaagcgat ttcatatcca	120
gcatccctta tggattgtct ggccatggag gaatttctgt aattgtgagc caatccaata	180
tgcataaaag gtgtatgatg acccaaagct aaaagacgta aacctaatacc gtgcaaaata	240
ttgatcatac cggcaacacc agcatatttt ccaaatagta ctactctttg gcccttttcg	300
tccatcaact ttccataatc gataagacga atattctttt ccataattgc atcaagtaaa	360
ggcatattag attcttgggc ttgataaca tgtgaaaaca tgcagtaggt tttattggga	420
attaattggt ctacaggt	438

<210> 1085
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (36)..(36)
 <223> n = unknown

<220>
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 <222> (475)..(475)
 <223> n = unknown

<220>
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 <222> (489)..(489)
 <223> n = unknown

<400> 1085	
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FC-8-C3.ST25.txt

tgaatgatta aatgtaatag attaatcaaa ttttagatga ttaaaattgt tctattacta	120
caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat	180
agattttgaa taataacata gaaattatac tatttttttg atgactctaa taaaaaaaaat	240
gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaatggc	300
catgtctgaa aagattttcta tgtgtatttt tttgttaaca ttttattggt gaatggataa	360
aagataaata caattttata agctgtttgg ataaattaat tttgaataaa tccataatca	420
tagaatatgt taagtagcaa attaaaaatat ggccacaaac cacaaaatgt atacnaaata	480
ttacttatnt gattttta	498

<210> 1086
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

<400> 1086	
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atcgttggat tcttactgct gctacttgcg tgttaaataa atatccaaat gatattcttc	120
tcgctggttg aaccaacact ttgaatgctg gcggagtagg atacaaagtt gcccaaataa	180
tcgttcataa ccaatttaac cagaacacat accacaataa catcgctttg ctaaaaacta	240
catcaaataat tgtatacaca aactatgtca aaccagttgg tctggcaagc tatgatacac	300
caattggagc agtatccact ctggctggat ggggctactt atctaattgt ggccaaattc	360
ccaactactt gcaaactggt gacacgt	387

<210> 1087
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

<400> 1087	
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atcgttggat tcttactgct gctacttgcg tgttaaataa atatccaaat gatattcttc	120
tcgctggttg aaccaacact ttgaatgctg gcggagtagg atacaaagtt gcccaaataa	180
tcgttcataa ccaatttaac cagaacacat accacaataa catcgctttg ctaaaaacta	240
catcaaataat tgtatacaca aactatgtca aaccagttgg tctggcaagc tatgatacac	300
caattggagc agtatccact ctggctggat ggggctactt atctaattgt ggccaaattc	360
ccaactactt gcaaactggt gacacgt	387

<210> 1088
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (401)..(401)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (442)..(442)
 <223> n = unknown

<400> 1088
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 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccggcgga agaatgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaatata caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt naggagcaca aacaaaatgt 420
 cattaactat agtaatttct gnttatttaa aatatataaa tatagaagct ttatgaaatc 480
 aaaaaaaaaa aaaaaaaaaa 498

<210> 1089
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (276)..(276)
 <223> n = unknown

<220>
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 <222> (484)..(484)
 <223> n = unknown

<400> 1089
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 tatttatctt aaacatattt acagtatttc ctcaaaaact gttaaataca ataagttaac 180

FC-8-C3.ST25.txt

ttaaatacat ggatgttctg agaatgtgga tgagctcaag attgtagaac tgagtttgat	240
ctacacaatt tttgcctaaa aggttcgact actcanaaag cagccaccgc tgattccata	300
ccgcctcaca tttgacaata aaatatatgt ataatgttaa ataggatttt aatggaaaaa	360
agccaattta atacttttagc attatgaata tgtattttcca aattattcta taacgaattt	420
aacctaataat acaagaaata catattcata aatatacaat attttaatac aaaaaggtag	480
ttgngcaaaa atgaaattca	500

<210> 1090
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (146)..(146)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (148)..(148)
 <223> n = unknown

<220>
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 <222> (229)..(229)
 <223> n = unknown

<220>
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 <222> (291)..(291)
 <223> n = unknown

<220>
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 <222> (315)..(315)
 <223> n = unknown

<220>
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 <222> (330)..(330)
 <223> n = unknown

<220>
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 <222> (344)..(344)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (360)..(360)
 <223> n = unknown

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<220>
<221> misc_feature
<222> (381)..(381)
<223> n = unknown

<400> 1090
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taaaaagata catgtaattt cataaagctt ctatatattat atatttttaa taatcagaaa      120
ttactatagt taatgacatt ttgttngngc tccttacata aaatacaatt ttatacattt      180
taatttttat acatattttt tatatttaat tgcacagatc atttgtgtnt ttattatatt      240
aattgactac tttatgataa tttgaatcct aattagtcta ttcaagattg ntttcctggt      300
ttaagcetta cttancaatc tcacttttgn attcttcgcc gggnggggtg ggtatgcatn      360
gcaactccgt tttatcaaag ngcaagccat ttggacaatc ataatgtttt atttgccatt      420
tgttggtaac caagaaacat tgataatatt ttttacaatc tcttcgatcg gaaaaaacgt      480
ttttactttt gcatgcagtc                                     500

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<210> 1091
<211> 379
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (354)..(354)
<223> n = unknown

<220>
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<222> (356)..(356)
<223> n = unknown

<400> 1091
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aatttttttt attaaattaa aagaaaatgg cgatctactc aacttatctg aattagttta      120
ggtataagta aattagaact aattctatct gtttactact tttgttactc gtattttaatt      180
ttgattttaa ttatgtatgt tatttttagaa agcactgata agtataagga attggtgaac      240
tgtattttat aagactgcta ggcaaatac gtttatttat aaaaaaatgt actgtaaagt      300
tacctgcatg taaactgaac tgtaataatt attaaataaa gtatttttaa ccnanaaaaa      360
aaaaaaaaaa aaaaaaaaaa                                     379

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<210> 1092
<211> 326

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<212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (207)..(207)
 <223> n = unknown

<220>
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<220>
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 <223> n = unknown

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 aacttcaata ccagaatttt tttttgcagt tgttcaaaat tacaaattgt ctgcacaatc 180
 catagatcgg agtgttttcg gaatggntct tttccactta gatttcttta cgtaaacaca 240
 acacaaagcg tgtggagcaa aagttttcga taatactgca ttatattgaa tatatctgtt 300
 aatgntccaa atcatgtagg ttgnag 326

<210> 1093
 <211> 380
 <212> DNA
 <213> Ctenocephalides felis

<400> 1093
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 ttcagcatac ggactgttca tgttcttgca aggaataatg acattggctt tgggtccaat 120
 tgttggattt attcgagatg caacacacag ctacataata tgtttccatg ccttgactgt 180
 gtgtttactc atttgctgta taccatggct tgccgagatg gcgtgggtta aaatgaaaaa 240
 taagaaataa atttaagaat taagttaata ttaatggaaa aattatatat agtttatgtg 300
 aattttatca cacgtgttat atatctttat aaaagtaatt tataaaggat tgtcacagaa 360
 aatataaatg acaaaaaaaaaa 380

<210> 1094
 <211> 380
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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 <223> n = unknown

<220>
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 <222> (332)..(332)
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 tatattttcta atctaataatc cccaaatttc aactaagaag ttaaatacctt tgccagttctg 180
 agaagatagg agtaaagtta cattttttcca gccaaactcca ccattgacaa gagnggcata 240
 gctctcttgg ccattttacat attggtccag ggcacgaaca cagctaattg tgcgattatt 300
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 cttggattgg acttgacggt 380

<210> 1095
 <211> 498
 <212> DNA
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 attgaaatgg tgatccatga tggaagtgat ggaacggtga accaccgccc cctctgtgat 180
 tatttgcaga ttctggatct aaaggatctt caccggtgtc aaactgagct cttttctcag 240
 gatcagtaag aacctcttta gcagcagcaa tatctataaa tttattctct gctattttct 300

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tttcatcatc tttgaaatta tcaggatgcc atttttgtgc tgcttttcga taagctttaa	360
tgatctcttg ctttgtagct gntcttttta cacctagaat tttataatag tctcttctct	420
cagcttgctt ttgtaacctc tgagccttca aaagcccatc tttcgctctc tgacatgctc	480
atttatttcc aagctgat	498

<210> 1096
 <211> 281
 <212> DNA
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ttatacatat tttttatatt taattgcaca natcatttgt gtattttatta tattaantga	180
ctactttatg ataatttgaa tgctaaatta gnctattcaa gattgttttc ctgggtttaag	240
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<210> 1097
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 <223> n = unknown

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 caatttatct atgcatttag tttatccatt ttctaactta caaaatataa ttctaaatag 180
 ttcaataagt aacagaatct aataataacn taaataatnn tatttaacct ctggacagta 240
 aacatggtag agatttttaa atgacaaaac acattcttga aaatgaagtt caaaacaata 300
 tctagttttg atcaagagtt tctttggtta tgactaaagt tttcaaacat caccgtaaga 360
 atggnataat tgacttgaat aatgcttcct atcaatcaat ttttatgtaa tcataaaagt 420
 taaaattaaa caggaatgct ggtttaaata actgcccttn cacaaaaatt tatttcatct 480
 cttaattcac atagataagn 500

<210> 1098
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 ggtgcattaa cttttattca actagattaa atttttgggt tacttctatg cctcacatca 180
 gtgtccttca tgtgatcagg agtatTTTTT cgatctggac ttttgatctg tatcactctc 240

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ctccatttca gctttgttgc gtttcttttc ataatgaga ataatcgcg ataaaattat 300
tacttcagca cagatcccaa aaatggccac aaagcagctn atttatcttg aactcnnacc 360
aaggntgtag aataacagta attccaatgc cttgattagt agcaatacat gttattctcc 420
tcgatcgctt tttcagccaa atcaatttcc aaagcagaat ttggttattg ncatgatcta 480
acaatttgat tcgacggtga 500

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<210> 1099
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<220>
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ttattgaatt acaacacttt gaaagcatta agtgcctttg ttagatttta acaatatcaa 180
cataataaat aattatatta aaaattatth aattcactca ttttaacaa aataaatttc 240
atatacaata tttaataaat cctgacaaaa ttgtatttaa tttacttgat attttaata 300
ataaatgttt tagttagaat attaaggaaa cgtatacatt aaaataaaat gatatgntct 360
tcacctttat cttttcaata ataccgaaat tcgaattagt atggnttncg cttaaattaa 420
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<210> 1100
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<400> 1100
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 ggcttttcgcc aaggatttcg ccgcaggtgg tattttctgcc gcagtctcta agactgtggg 180
 agcacccatc gaacgtgtca aaatgcttct gcaagtcaac acatttcaaa caaattgctg 240
 aggataaacg ttacaaaggt atnatcgatt gctttgtacg tatccctaag gagcagggcg 300
 tacttttntt ntggcgtggn aacttggcca atgtcattcg ttattttcaa ctangcttt 360
 gaacttcgca ttcaaagaca agtcaagcaa gttttnttgg gtggaggtgc aagaananc 420
 aaatctgggg tactttgaag aaanattggc atntgngngn gntgntggag ccataatgt 480
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<210> 1101
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 <212> DNA
 <213> Ctenocephalides felis

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<220>
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agaacacata ccacaataac atcgctttgc taaaaactac atcaaataatt gtatacacia 180
actatgtcaa accagttggg ctggcaagct atgatacacc aattggagca gtatccactc 240
tggctggatg gggctactta tctaagtggt gncaaattcc caactacttg caaatcgttg 300
acacgt 306

<210> 1102
<211> 243
<212> DNA
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tcaggggatc atttttatta cataggttac tattgcactt tagacaagac ccaaatgttg 180
cattttcgca ttcttttcta atcgaatcag cttcaggtta atcgaccaa caaccttttt 240
ttg 243

<210> 1103
<211> 363
<212> DNA
<213> Ctenocephalides felis

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 <222> (289)..(289)
 <223> n = unknown

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 <223> n = unknown

<220>
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<220>
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<400> 1103
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ttggaacctc taaaagttct tccagtagtt catccatagc ttctatcaag ctagnacgat 120

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aatttttatt ggtctccatn gagatccaaa acaagtctgc tttctcattc cattaacagt 180
acgatcaaac tcctcanaat cgtgggtcaa aactgccagt atttctggag gcatttgagt 240
aagaggcaat gtcatcaccg caaaatttta cgcacaaacg caaancatnt gtgntatcat 300
caaactcttg gtcaggaatt atntcattta catccaaatg ttccttcgtg anaatttcta 360
cca 363
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<210> 1104
<211> 500
<212> DNA
<213> Ctenocephalides felis
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<222> (181)..(181)
<223> n = unknown
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<223> n = unknown
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<223> n = unknown
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<222> (245)..(245)
<223> n = unknown
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<223> n = unknown
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<223> n = unknown
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<222> (408)..(408)
<223> n = unknown
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 <222> (420)..(420)
 <223> n = unknown

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 aaagctaaca agttttatatt tctgtgatca tttggattca agttatatta tttctatttg 180
 ngattgncta taaaaacaat gaatattgnt tcattgtccc tgctaagtca ttaatatttc 240
 actgnagtta ttaatttaag tttgattgca tccgttgatt ttttccaag aagttaagtc 300
 tttccttttt ttatttagtgn ttaaataata ccttttcgtg aagagaaggg ntgattgtat 360
 atttcatttg actaagaaac ctagctgtta tgacttccaa gaaagccnaa cttaacaatn 420
 aacttgggaa aattatgaag agatttttta agccagccct aaagtgatgg agaagtgaat 480
 atttaataaa tatctttatg 500

<210> 1105
 <211> 365
 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

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 <223> n = unknown

<400> 1105
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 nnttctatta agnctccaga ttgatgcatt tgcaacatga tgtcacaacc ccctacaaat 120

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tctccagaaa tataaacttg nggaatagtc ggccaattgg agaaatcctt aataccttgt	180
cttaaaacat catccttcaa taccgtcatg actcttatat tccacaccgn gcaccccat	240
aatttgaacc actgcattgc tgaaaccaca tttgggggct tcaggaacac ccttcatgaa	300
aactaccact tttttgtntt taacaagctt gtttattcta tctgagatcg ctgttgtgct	360
gcagt	365

<210> 1106
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

<220>
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 <222> (401)..(401)
 <223> n = unknown

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tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg	180
ataaaacgga gttgcgatgc ataccacgc caccggcga agaatgcaa agtgagattg	240
ctaagtaagg cttaaacag gaaaacaatc ttgaatagac taattaggat tcaaattatc	300
ataaagtagt caattaatat aataaatata cnaatgatct gtgcaattaa atataaaaa	360
tatgtataaa aattaaaatg tataaaattg tattttatgt naggagcaca aacaaaatgt	420
cattaactat agtaatttct gttattttaa atatataaat atagaagctt tatgaaattc	480
atgttctttt taataaaa	498

<210> 1107
 <211> 210
 <212> DNA
 <213> Ctenocephalides felis

<400> 1107	
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ggtccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattgggtt	120
cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tggataaaat	180

ctcgatggtg acggacattt gaaaccttgt 210

<210> 1108

<211> 500

<212> DNA

<213> Ctenocephalides felis

<400> 1108

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tgcatttgaa actatagttc caatggaaat tctgtctgc ctcaaacagg ttggatatgt 120

ttccattgct tgcagattca caacataaaa cgtgatgctt atgcaaaaatt tcattaccac 180

ggctaacagt gggaccaaat tctggaggga ttcattcattg gcaatgcata taagaatgga 240

agatgctgcc agagcaattc caaaagaagc tacagagggtc caacgtcttc ctattctgtc 300

gctggagaaa cgtcctagta gatatgctgg taattctact gccgattgat ataaaaagtt 360

gagaaatgga ttacctcca tattgtcac gttcaaaatt aatgtaaaat acgtcacgga 420

acatacaatc cagcaaagca caataagtgt agtatttcta gctaaacgta aactagaaaa 480

taaactcatg attccgtaac 500

<210> 1109

<211> 340

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (199)..(199)

<223> n = unknown

<220>

<221> misc_feature

<222> (244)..(244)

<223> n = unknown

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<222> (314)..(314)

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<222> (327)..(327)

<223> n = unknown

<400> 1109

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gataaggcat ttaagaattt tacaatttag atttttttta atccatgaat atatttgttc 120

FC-8-C3.ST25.txt

taatcaaaat tattcatttt acgcttaatt ttattggttg aactaataga tagatagata	180
aagatataga gttaatatna aaatgaagaa aataaattta aaagttagaa ataatacgga	240
cttntaaatg tagggggaag tcccctagtgc gcggacacct aaagttattt ataaataaat	300
caaaaaatat tctnaaaaaa aaaaaanaaa aaaaaaaaaa	340

<210> 1110
 <211> 159
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (124)..(124)
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taatcctgaa cgtgaaggct cagtatcaat tgtaggagct gtatcaccgc ccggtgggtga	120
cttntcagat cccgtcaactt cagctacatt ggggtattgt	159

<210> 1111
 <211> 500
 <212> DNA
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 <223> n = unknown

<220>
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tatagttaat gacattttgt ttgtgctcct tacataaaat acaattttat acattttaat	180
ttttatacat attttttata tttaattgca cagatcattt gngtatttat tatattaatt	240

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gactacttta tgataatttg aatcctaatt agtctattca agattgtttt cctggtttaa 300
gccttactta gcaatctcac ttttgcattc ttcgccgggt ggcgtgggta tgcacgcgaa 360
ctccgtttta tcaaagtgca agccatttgg acaatcataa tgnntttattt gccatttgnt 420
ggtaaccaag aaacattgat aatattttttt acaatctctt cgatcggaaa aaacgttttc 480
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<210> 1112
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<212> DNA
<213> Ctenocephalides felis

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<210> 1113
<211> 467
<212> DNA
<213> Ctenocephalides felis

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<222> (429)..(429)
<223> n = unknown

<220>
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<222> (444)..(444)
<223> n = unknown

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ctgataaatt gcctgcaaga atgagtttca gggaacgaaa agaatcggcc aaatgcatgc 180
aaaaggttgc attaaatata caactagcag cagccagagt ttcaactgat gttggcatta 240
aagtaggaga agccctcagg aatgtagtgg aacttcgttt agatttgga aaatgttctt 300
cagacaattt gaataaatgg gaatccagat tggaagaaat taatgatgtt gtggaaaatt 360
gcatcgtgtg aaattgtaac ttgaaataat ttttcttaac tattagtttt atagatgaac 420
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<210> 1114
 <211> 314
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (286)..(287)
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 attattgact gttttatttt tcgtttgatt ttgtgctgaa atgatgcaaa agaataatt 180
 ttgagcaaaa cctacctctt ttttaatttga aaactataga gtgtattatt aatgtttcca 240
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 aaaaaaaaaa aaaa 314

<210> 1115
 <211> 448
 <212> DNA
 <213> Ctenocephalides felis

<400> 1115
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 ttacttctac tctggtgcat taacttttat tcaactagat taaatttttg gtttacttcc 180
 tatgcctcac atcagtgtcc ttcattgtgat caggagtatt ttttcgatct ggactttgat 240
 ctgtatcact ctctccatt tcagctttgt tgcgtttctt ttcataaatg agaataatcg 300
 cgcataaaat tattacttca gcacagatac caaaaaatgg ccacaaagca gctaatttat 360
 cttgaactcg aaccaagggg gtagaattaa cagtaattcc aatgccttga ttagtagcaa 420
 tacatgtata ttctctcga tcgctttt 448

<210> 1116
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1116
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 gtattatttt tatatatgta aacgaattat aatttttget ctttgattac ttctactctg 120

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gtgcattaac ttttattcaa ctagattaaa tttttggttt acttcctatg cctcacatca 180
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 tccatttcag ctttggttgcg tttcttttca taaatgagaa taatcgcgca taaaattatt 300
 acttcagcac agatacccaa aaatggccac aaagcagcta atttatcttg aactcgaacc 360
 aagggtttag aattaacagt aattccaatg ccttgattag tagcaatata tgtatattct 420
 cctcgatcgc ttttttcagc caaatcaatt tccaaagcag aatttggtat attgcatgat 480
 ctaacaattt gattcgat 498

<210> 1117
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1117
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 gtgcattaac ttttattcaa ctagattaaa tttttggttt acttcctatg cctcacatca 180
 gtgtccttca tgtgatcagg agtatttttt cgatctggac tttgatctgt atcactctcc 240
 tccatttcag ctttggttgcg tttcttttca taaatgagaa taatcgcgca taaaattatt 300
 acttcagcac agatacccaa aaatggccac aaagcagcta atttatcttg aactcgaacc 360
 aagggtttag aattaacagt aattccaatg ccttgattag tagcaatata tgtatattct 420
 cctcgatcgc ttttttcagc caaatcaatt tccaaagcag aatttggtat attgcatgat 480
 ctaacaattt gattcgat 498

<210> 1118
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1118
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 tcgtacccaa aattctcttt ggatcttgat catgttaaag ttgctttaac ggcattggct 180
 cgtatgcatg caagttgcat tatctacgag aagaaaaaaa attggtgcat ggggagagtt 240
 tacaagatc ttatgttga gactatggcc aataataatc aatgggtggag gactggagag 300
 gatactgctt tagcaattgc tgaggaatct gagaaattcg gtaaataatc cgaataccat 360
 tccatggtac aggagaagtt aattgatttc ctgagattgg catgggtctat ggtaaaacca 420

tcgcgcattt ataaaaatgt ggtatgcccc gcgatacgcg caatcacaat ttgatgttca 480
aatataattc aactggct 498

<210> 1119
<211> 428
<212> DNA
<213> Ctenocephalides felis

<400> 1119
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ggagacaacg tctgaagtca tttccattcc ttggttttaa tcaccatttg atttagcaga 180
atgaggagct tcatctttat ttttcttggt tgccatcaaa tataatgggt tgcctaagag 240
catgagcgga atacagcaga gcccaattaa cacaaatatt ttttgaattt gctgttgctc 300
ttcaaacata aattcatcgc attgttctgc tggagatcct tgcttgaata acatcatgtt 360
aatgaacaga atcaaaactg atggtgcgca gcagggttca aatctgatgt ctgtattatt 420
tgcagagt 428

<210> 1120
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<212> DNA
<213> Ctenocephalides felis

<220>
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<223> n = unknown

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agttattgaa ttacaacact ttgaaagcat taagtgcctt tgtagattt taacaatatc 180
aacataataa ataattatat taaaaattta ttaattcac tcatttttaa caaaataaat 240
ttcatataca atatttaata aatcctgaca aaattgtatt taatttactt gatattttta 300
ataataaatg ttttagttag aatattaagg aaacgtatac attaaaataa aatgatatgt 360
tcttcacctt tatcttttca ataatacgaa attcgaatta gtatggcttc gcttaaatta 420
aatatgtttg tctaaactga ccaatcaaga aatcatttta aataaggt 468

<210> 1121

<211> 352
 <212> DNA
 <213> Ctenocephalides felis

<400> 1121
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 taaaaacgat taactttcat tcagaagttt ttgttaatat aacaatagta tctgaaaaat 120
 attaaaaaca tctgtcaaaa atatgcaaag taatttcatt caattataaa aagatttttc 180
 aataatttac aaaaattaaa aacatttttg aaaagatatc aatatcagca catgttaaatt 240
 agtaagagac aagaaacatg acctttaaaa tttaatccgt gttgcatata caacaatgta 300
 ttttaaactg tgattttggc aaccatcact tcattttattg catacgtaat gt 352

<210> 1122
 <211> 386
 <212> DNA
 <213> Ctenocephalides felis

<400> 1122
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 tcgtcgttgg aaccaacact ttgaatgctg gcggagtagg atacaaagtt gcccaaataa 180
 tcgttcataa ccaatttaac cagaacacat accacaataa catcgctttg ctaaaaacta 240
 catcaaatat tgtatacaca aactatgtca aaccagttgg tctggcaagc tatgatacac 300
 caattggagc agtatccact ctggctggat ggggctactt atctaattgt ggcaaattcc 360
 caactacttg caaatcgttg acacgt 386

<210> 1123
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1123
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 catgcaaaag tgaaaacgtt ttttccgatc gaagagattg taaaaaatat tatcaatggt 120
 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcatgac ataccacgc caccggcga agaattgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480

catgtatctt ttttaataa 498

<210> 1124
 <211> 476
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (12)..(12)
 <223> n = unknown

<220>
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 <222> (26)..(26)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (53)..(53)
 <223> n = unknown

<220>
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 <222> (366)..(366)
 <223> n = unknown

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 ctgtagacct gcacctgcgg agagactagg atatcaaaaa aatggattgc aggatgttaa 180
 aaaccattca tgggtattcat cagtttcatt cgactgggtg agtctcaaat ctcaagaaat 240
 gcctgcgcca ctgggtccgca cagtagaaaa ttcaacagat atgagaaaact ttgacaaaatt 300
 cccgaagaac agagaatttc cacctgatga attatcaggt ttcgatataa acttttataa 360
 acactnattt gcacacctga taatgttaca taaaatctac gtggctgcag cgctgatata 420
 agtaattggt attataaata cagatgtcat tcttgaatat aagaaattat ttatat 476

<210> 1125
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 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

<220>
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 <222> (277)..(277)
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 <222> (291)..(291)
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 <222> (308)..(308)
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 <222> (357)..(357)
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 <222> (370)..(370)
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 <222> (387)..(387)
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 <222> (398)..(398)
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<222> (492)..(492)

<223> n = unknown

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ggctttcgcc aaggatttcg ccgcangtgg tatttctgcc gcagtctcta agactgtggt 180

agcaccatc gaacgtgtca aaatgctcct gcaagtcaac acattttcaa acaaattgct 240

gaggataaac gttacaaagg tatcatgat tgctttntac gtatccctaa ngagcagggc 300

gtacttttnt tntggcgtgg taacttggcc aatggcattc gttatttncc aactcangct 360

ttgaacttcn cattcaaaga caagtcnagc aagttttntt ggggtggagnt gcaaagaaga 420

ccaatttttg cggacttcc aagaaacttg gcatnttggt gngctgctgg agcacatatt 480

gtgnttcgtc tnccacctga 500

<210> 1126

<211> 313

<212> DNA

<213> Ctenocephalides felis

<400> 1126

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cgtggcatat ttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc 120

atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180

aaactttggc cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240

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tttctttaac cgt 313

<210> 1127

<211> 500

<212> DNA

<213> Ctenocephalides felis

<400> 1127

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tgtaaagggg ctttgaagaa actggctcgg aagctgctcc acgtaggac ggccgtgctg	240
aagattggga acaagtaaag attaccagga aagggaaacg atgatgacca ggaacagaat	300
tataccgcat cttagccaac gtcttcggac atcatgtcaa catcattcat cacaaatata	360
atcgcagttt aggtagtaat agttaacact ttaggatagg aaataagctt aaagaaggga	420
acaagaacca tgatcttgga ataactgttt ctgatttcgt aattgaaaat aaaagaaata	480
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<210> 1128
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 <212> DNA
 <213> Ctenocephalides felis

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<210> 1129
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 <212> DNA
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<220>
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 <223> n = unknown

<220>
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 <222> (429)..(429)
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<223> n = unknown

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<400> 1129

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gaatgtggat gagctcaaga ttgtanaact gagtttgatc tacacaattt ttgcctaaaa      180
ggttcgacta ctcanaaagc agccaccgag gattccatac cgcctcacat ttgacaataa      240
aatatatgta taatgttaaa taggatttta atggaaaaaa gccaatttaa tacttttagca      300
ttatgaatat gtatttccaa attattctat aacgaattta acctaaaatc aagaaataca      360
tattcataaa tatacatata ttttaatata aaaaggtaac ttgtgcaaaa atgaaattca      420
aatacactng gttttgctaa ttnaaatngn ttttagattt ttctcttttt ttgntatggg      480
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<210> 1130

<211> 498

<212> DNA

<213> Ctenocephalides felis

<400> 1130

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tcttggttaa caacaaatgg caaataaaaac attatgattg tccaaatggc ttgcactttg      180
ataaaacgga gttgcatgac ataccacgac caccggcgca agaatgcaaa agtgagattg      240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc      300
ataaagtagt caattaatat aataaatata caaatgatct gtgcaattaa atataaaaaa      360
tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcgca aacaaaatgt      420
cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt      480

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 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

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aatgtggatg agctcaagat tgtagaactg agtttgatct acacaatttt tgcctaaaag	180
gttcgactac tcanaaagca gccacccgtg gattccatac cgctccatt tgacaataaa	240
atatatgtat aatgttaaag aggattttta tggaaaaaag ccaatttaac acttttagcat	300
tatgaatatg tatttcctaa ttattctata acgaatttaa cctaaaatnc aagaaataca	360
tattcataaa tatacatata ttttaataca aaaaggtagc ttgtgcaaaa atgaaattca	420
aatacacttg gtttgctaag tnaaatagtt ttagantttt ctctttttgn tatggggggg	480
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (425)..(425)
 <223> n = unknown

<220>
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 <222> (485)..(485)
 <223> n = unknown

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tgtcaaactc taaaattact cactgcaaat caattctaac gcaggtttat caaaatgtaa	180
acaaactaaa aatcagatct ttacgtttta tgatttaaca atacataacc aaagagggtg	240
cacagcaata agcattgttt catacttcac acataaataa attaaataaa aaagaaaacc	300
aatcctgcag tttttatgca ttagaaaata tgtgtgcaac ctattttcct tatcattttt	360
aaaggggggat gtctataaaa atgttatttt agcaaacagt tatagatatt gtattcgcta	420
aaggnatctt tgagattccc gagacatggt ccactgctca gcagtgttt ctgtacgggtg	480
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 <211> 457
 <212> DNA
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<222> (30)..(30)
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 tatattcctg aactgnttta ttgaattta ttttaaacac aaactttaat tatattcaaa 180
 taatgatgga cgtgatttca tatatcccta aactttggat cagagtttga gagaagccta 240
 gccatagtgt atagaaaatt atgtgtaggt gtataattaa gattgncagg agtcaaatat 300

FC-8-C3.ST25.txt

ataaagcatt gatacaaatt atacattcca attttctgta aaccgngttc tttggntgat	360
tatggnttat atcacaatth atgaatcatg taaattaatt gnaaatttga aatgtatctc	420
cgatgtggnt gtnnaaaaaa aaaaaaaaaa aaaaaaa	457

<210> 1134
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 <212> DNA
 <213> Ctenocephalides felis

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agaaaatgat tcaagtagca acttctgaat tttctttgta attgataata ctttctcaaa	120
gtataattgc atttcacaac acacgacgga aatatgggta tgggccatat gaagcaatgc	180
tcgttcttct atccacttgc ttctgataaa tgttcgggtat aaagaatgca atcactccac	240
atgctatcag agatgttcct gatattaaaa atgttaaadc gcaattataa tctagaatta	300
ttcctacaac attgtttcca acaacacttc ctaatcgacc catcattaaa gatatacata	360
ctgccattgc ctgagttgtg tagggg	386

<210> 1135
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 <212> DNA
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gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatgtt	120
tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaattt cattaccacg	180
gctaacagtg ggaccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa	240
gatgctgcca gagcaattcc aaaagaagct acagaggtcc aacgtcttcc tattctgtcg	300
ctggagaaaac gtcctagtag atatgctggg aattctactg ccgattgata taaaaagttg	360
agaaatggat tacctcccat attgctcacg ttcaaaatta atgtaaaata cgtcacggaa	420
catacaatcc agcaaagcac aataagtgtg gtatttctag ctaaacgtaa actagaaaat	480
aaactcatga ttccgtaa	498

<210> 1136
 <211> 495
 <212> DNA
 <213> Ctenocephalides felis

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 tttatacat ttaattttta tacatatttt ttatattttaa ttgcncanat cattngngta 180
 tttattatat taattgacta ctttatgata atttgaatcc taattagtct attcaagatt 240

FC-8-C3.ST25.txt

gttttcctgg tttaagcctt acttagcaat ctacttttg cattcttcgc cggngggcgt 300
 gggatatgcat cgcaactccg ttttatcaaa gtgcaagcca tttggacaat cataatgttt 360
 tatttgccat ttgntgntaa ccaagaaaca ttgataatat tttttacaat ctcttcgac 420
 ggaaaaaacg tttcactttt gcatgcagtc tgcacganaa anaatttggg caaaccattc 480
 ggtgcgcgnt tcaca 495

<210> 1137
 <211> 300
 <212> DNA
 <213> Ctenocephalides felis

<400> 1137
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 tttttgatat tcgtgttgat actatataaa tttttaaaat cttattttat taattcactc 180
 atacttttag cacagattta atactgcaaa aattcaatca aatttattat atacagatac 240
 aacaatccag cttgtcacta ctctcactct aaataactac atgactatca acctctctgt 300

<210> 1138
 <211> 430
 <212> DNA
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 tgaatncttc atcaatatat taatataatt taggtttcct ctcncaagtt cctgtgttgc 180
 agctttgagt agcttggtta aatactgttc caatcggaca ttgatcagga actggctntc 240
 ctttaggacg taaacacgtg aanaacttcc ggcatgttgc gtcgttcttg aaagcaaatt 300
 ttccacgtgc tcggcattgc cgcacacagg tttcgtcct tggggaaaac tcggcggtt 360
 cttcgcattg caatacggtt cctnttcggc catacatag acgtccatac cccgagtgtg 420
 aaaaggcttt 430

<210> 1139
 <211> 370
 <212> DNA
 <213> Ctenocephalides felis

<400> 1139
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 aggtattgaa acaattatcc atcctggaac aaagacgttc agatgatgag gatatcgttg 120
 ctgatgttga atatttgacc gaaaaattac aagcttccat tcaagacctt agcttatttt 180
 gatgaatatg ctacagaaat caagtccggc agattggaat ggtcacctgt tcacaaatct 240
 gctaagttct ggagagagaa tgccccacgt ctcaatgaga agaattatga gttattgcgt 300
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<210> 1140
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 <212> DNA
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 <223> n = unknown

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FC-8-C3.ST25.txt

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ccttacataa aatacaattt	tatacatttt aattttttata	catatttttt atattttaatt	180
gcacagatca tttgngtatt	tattatatta attgactact	ttatgataat ttgaatccta	240
attagtctat tcaagattgt	tttcttggtt taagccttac	ttagcaatct cacttttgca	300
ttcttcgccg ggnggcgngg	gtatgcatcg caactccgtt	ttatcaaagt gcaagccatt	360
tggaacaatca taatgtttta	tttgccattt gntggtaacc	aanaaacatt gataatattt	420
tttacaatct cttcgacgga	aaaaacgntt tccttttgca	tgcatctctgc cgagaaanaa	480
ttgggncaaa ccattccgtg			500

<210> 1141
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

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agtgatcatgg aaagttatta	60
atgagactta tgacgaatca	tccgatcgaa tcaaattggt
agatcatgac aatataccaa	120
attctgcttt ggaaattgat	ttggctgaaa aaagcgatcg
aggagaatat acatgtattg	180
ctactaatca aggcattgga	attactgtta attctacaac
cttggttcga gttcaagata	240
aattagctgt tctgtggcca	tttttgggta tctgtgctga
agtaataatt ttatgcgcga	300
ttattctcat ttatgaaaag	aaacgcaaca aagctgaaat
ggaggagagt gatacagatc	360
aaagtccaga tcgaaaaaat	actcctgatc acatgaagga
cactgatgtg aggcatagga	420
agtaacaaaa aatttaatct	agttgaataa aagtaatgcc
cagagtagaa gtatcaaaga	480
gcaaaaatta ttattcgt	498

<210> 1142
 <211> 498
 <212> DNA
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 <223> n = unknown

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 <222> (456)..(456)
 <223> n = unknown

<220>
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 <222> (483)..(483)
 <223> n = unknown

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 attctgcttt ggaaattgat ttggctgaaa aaagcgatcg aggagaatat catgtattgn 180
 tactaatcaa ggcattggaa ttactgttaa ttctacaacc ttggttcgag ttcaagataa 240
 attagctggt ctgtggccat ttttgggtat ctgtgctgaa gtaataattt tatgcgcgat 300
 tattctcatt tatgaaaaga aacgcaaca agctgaaatg gaggagagtg atacagatca 360
 aaggncagat cgaaaaaatc ttctgatcca tgaaggcact gtgtgaggna taggaggtaa 420
 cccaaaaatt aatctagtgg ataaaagtta tgcccngagt gaagtatcaa agagccaaaa 480
 atntattcgt tcattttt 498

<210> 1143
 <211> 367
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (98)..(98)
 <223> n = unknown

<220>
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 <222> (127)..(127)
 <223> n = unknown

<220>
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 <222> (143)..(143)
 <223> n = unknown

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<220>
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<222> (262)..(262)
<223> n = unknown

<400> 1143
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gcacggnaga tgatgatcct tgnacagata ctccaaaacc acggtacaat ccagggagac      180
catcagactt gaagattttg gtcaagcagt tgcccaatcc agagaattca cgttgaccag      240
cgcttttacc tacatcagcg gncaatctgg tacgggcgaa atcaagtggg tagacgaagc      300
acaatgatgt gggtcagcag caccaccaga tgccaagttt ctgcgaagta cgccagaaat      360
gggtcttt                                     367

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<210> 1144
<211> 402
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<220>
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<222> (156)..(156)
<223> n = unknown

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aaactgtaag acggcagaaa ctacatgcgc ggntgnagga tatcagccag aatccgaaag      180
actgcacaag atacttattc tgcaaagatg gtaaagggtca ggttttcgaa tgccaccta      240
actatgtata tgatcattct aaaaatatgt gtaaaaagaa atcgagaag ctgattgcac      300
cgtcatgaaa tgcacaaatc caattctttt atacctatgc accggcccat caatttatgc      360
ttggtgcaat ggcaaaatgg acccgatcgg cccctgaatg gg                               402

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<210> 1145
<211> 460
<212> DNA
<213> Ctenocephalides felis

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<222> (392)..(392)
<223> n = unknown

<400> 1145
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aaataattta tatatcatga acatagaaag tgtttatgta tcatttcatt cttatatcaa      120
tctaaaaatt ataatattat gaaatataaa ttttagttgt aaaattgaaa tatgtcgagg      180
ttataaatca taaaaaatta taatataact atacctccta aaatagcatt gccaatagtt      240
tgtttatata aacttctggt cgatcgaact tcttttcggt catttcccga gattaaacat      300
gaaaagccca cggttttcga atgcattgaa taaaatgatt tgcttaatcg cagcctaata      360
taatattcat caggctatta tgaaaatatt gnatacaatt tttatataaa aaccattcat      420
atagaaacat ttagaaaaat ataaatttta tattcggtat      460

<210> 1146
<211> 134
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (103)..(103)
<223> n = unknown

<400> 1146
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ataccaactt atttatattaa taaactgatt atagattaga ttnttaaaaa aaaaaaaaaa      120
aaaaaaaaaa aaaa      134

<210> 1147
<211> 242
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (213)..(214)
<223> n = unknown

<400> 1147
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tacaatttag atttttttta atccatgaat atatttggtc taatcaaaat tattcatttt      120

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FC-8-C3.ST25.txt

acgcttaatt ttattggttg aactaataga tagatagata aagatataga gttaatatataa 180
aatgaagaa aataaaatta aaagttagaa acnnaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aa 242

<210> 1148
<211> 463
<212> DNA
<213> Ctenocephalides felis

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gtaaaaaata ttatcaatgt ttcttgggta acaacaaatg gcaataaaaa cattatgatt 120
gtccaaatgg cttgcacttt gataaaacgg agttgcatg catccccgcc acccggcgaa 180
gaatgcaaaa gtgagattgc taagtaaggc ttaaaccagg aaaacaatct tgaataggct 240
aattaggatt caaattatca taaagtagtc aattaatata ataaatcaca aatgatctgt 300
gcaattaaat ataaaaaata tgtataaaaa ttaaaatgta taaaattgta ttttatgtaa 360
ggagcacaaa caaatgtca ttaactatag taatttctga ttatttaaaa tatataaata 420
tagaagcttt atgaaatcaa aaaaaaaaaa aaaaaaaaaa aaa 463

<210> 1149
<211> 372
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (43)..(43)
<223> n = unknown

<220>
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<222> (181)..(181)
<223> n = unknown

<220>
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<222> (307)..(307)
<223> n = unknown

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tcgtggaact tcgttttagat ttgggaaaat gttcttcaga caatttgaat aaatgggaat 180
ncagattgga agaaattaat gatgttgttg aaaattgcat cgtgtgaaat tgtaacttga 240

FC-8-C3.ST25.txt

aataattttt cttaactatt agttttatag atgaacaaat acataatcta ataaaccagc 300
aagtggcnctt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aa 372

<210> 1150
<211> 416
<212> DNA
<213> Ctenocephalides felis

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<222> (344)..(344)
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<220>
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<222> (395)..(395)
<223> n = unknown

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ataaaacatt atgattgtcc aaatggcttg cactttgata aaacggagtt gcgatgcata 180
ccccgccac cggcggaaga atgcaaaagt gagattgcta agtaaggctt aaaccaggaa 240
aacaatcttg aatagactaa ttaggattca aattatcata aagtagtcaa ttaatataat 300
aatcacaaa tgatctgtgc aattaaatat aaaaaatatg tatnaaaatt aaaatgtata 360
aaattgtttt tatgtaagga gcgcaaaca aatgncatta actatagtaa tttctg 416

<210> 1151
<211> 481
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (28)..(28)
<223> n = unknown

<220>
<221> misc_feature
<222> (426)..(426)
<223> n = unknown

<400> 1151
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FC-8-C3.ST25.txt

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tttgctattg gacgtgcagg cgaagtcata ggcacattta tttttggaca aattaggaga	180
taggattgga agaagaccag tattttactt aagtctcatc acaatcgtca ccggaagact	240
aattacagca ttactttcca gttgggtttat tgtttttata acagcggctt ttcttggttc	300
actaacatct acatctgttt ttcaaagccc ttgataatt gcgatggaaa tatccagaag	360
tgaagataga gcacacattg ccatgatgca gtccatcggg tggccagtgg aatgattctt	420
atgcnactg atgtgggcga cgcgagaatg gttatctttg ctttggtagc actattccat	480
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<210> 1152
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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atgagcccg accaggagta gtacctactc ctgaacctac acctgtaccg aaacccgagc	180
aaaaaatgta aaaaagtaaa atttagttgc gtgaattcgt gcagttcacc cgaaatgcag	240
tattgtccgg aaataggagc agatccggtt aaggaatcct gtagcccaga tcaagtgtgc	300
gctgatcaaa gtggatatct acagtgcacc actnaagaaa gtcagtctgc aaagtacaag	360
gtttcaaagt tccgtcacca tcgagatttt atccaaatat aaatgattgt caaagctatt	420
attattgtga cgaaaatagt ataggaaccc aatattattg cccgcaaatt ttgcatatga	480
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<210> 1153
 <211> 438
 <212> DNA
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<220>
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 <222> (436)..(436)
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 tgtatcagtc tttgaccagc ctaatgcaaa cagatacatt gtttgaatag cagaaaaatg 180
 ctatgtcgga gtatagtgc aatgtcactc caataacccat atttacataa atccagtctt 240
 ttaacaaagt caaatccaaa aagtcaacga taacttgcaa ttttcccctg gatttcttct 300
 ctaccgggtgc agtagtgcta tcaactgacaa tgactgctcc agtccaatta cctaaactag 360
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<210> 1154
 <211> 500
 <212> DNA
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<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (478)..(478)
 <223> n = unknown

<400> 1154
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 gcgatacgcg caatcacaat ttgatgttca aatataattc aactgggtcta cctgaacaat 120

FC-8-C3.ST25.txt

gcattcttgggt cgattttccaa agatgcacct acaatccacc agcttttggat ttcaatcatc	180
ttctatatca gacaacatcc agaagcttta gagaccagca ctatgaggaa ttgaagaggt	240
tctacagagc agcatttggt gaaaatatca cgaaggaaca tttggatgta aatgatataa	300
ttcctgaaca agagtttgat gatagcacag atgatttgcg tttgtgcgct aaaattttgg	360
cggngatgac attgncnttt actnaaatgc ctccagaaat actggcaggt ttgagccacg	420
attctgagga ggttgatcgt ctggtaatgg aatgagaaag cagactgggt ttgatctnat	480
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<210> 1155
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caaaaccccg catatcacc tagtcaatgt gtagatata ccaatagttg ataacaacca	120
agctgtttca tcatcgggtca ttccgctgggt tttgtttntc tgagcaatat ataggaatgg	180
tattaagtaa cccatcatag taaagaaacc actgaaggcg agcaaaagga atgacggcga	240

acgcatcaag ttcatatnta acatggtagc gagagntcga cggaacgctt ctggggcaaag 300
 cttgcaagaa gactgntctt tgacattcgc ccgagtaggt aatctagtta cngncatgtg 360
 gtatccaata gaagtcg 377

<210> 1156
 <211> 189
 <212> DNA
 <213> Ctenocephalides felis

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<220>
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<400> 1156
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 ggatcatatg caaaatttgc ggggcaataa tattgggttc ctatactatt ttcgtcacia 120
 taataatagc tttgacaatc atttatatatt ggataaaatc ncgatggtga cggacatttg 180
 aaaccttgt 189

<210> 1157
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<400> 1157
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tctagggttt ctattgtgaa aaactgtact tactaaggag gcattagtgc tgttttgtcg      180
tcactttgat taaataaagt cttcaacatt ttcacttagt gaaattttga ggtagggttt      240
tgatttttagt gatgnttaaa ttgatgtaaa aataatactg cacttttatt ataagaactt      300
cttatattat ataaacaggt atgatcttgn ttttgacaaa aggttgtaat tattgggttt      360
ggntatattg agcaaaatcc actgntgctn cacaagcaag                               400

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<210> 1158
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<213> Ctenocephalides felis

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 nttcaggatc gcgtatggcc tcatttntgt gngtcaacct gcggtcaaca tcgccaatcc 180
 atgttaccaa tcgataccta cgattagcaa acatttcacc gagtcccaaa cgttntntta 240
 acctatggca ctgcatagct aattgatggc caagatcgcc atgctgttgc cacagaatcc 300
 aaaccatttg atttatgtgt ttcatatctg ctggactaac gcattctttt agttgttctt 360
 gagtaactcc taaatcttca agtttgggtg ngagatcaac taaacgagtg cgctgtaatc 420
 gtaaattatn cagacaatta cgcataccgg tattagaaga tggagaactt gatgaatcta 480
 ttatatgttg natttcttgg 500

<210> 1159
 <211> 335
 <212> DNA
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 <222> (147)..(147)
 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 ataaaacatt atgattgncc aaatggnttg cactttgata aaacggngtt gcgatgcata 180
 cccacgccac cgggcgaaga atgcaaaagt gagattgcta agtaaggntt aaaccangaa 240
 aacaatcttg aatagactaa ttaggattca aattatnata aagtagtcaa ttnatataat 300
 aaatacacia atgatctgtg ccatttatna aaaaa 335

<210> 1160
 <211> 500
 <212> DNA
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<220>
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 <222> (464)..(464)
 <223> n = unknown

<220>
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 <223> n = unknown

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 atttgtcaca tatatattaa cttttttcaa atacaattta tctatgcatt tagtttatcc 120
 attttctaac ttacaaaata taattctaaa tagttcaata agtaacagaa tctaataata 180
 acataaaata ataatatata acctctggac agtaaacadg gcagagattt taaaatgaca 240
 aaacacattc ttgaaaatga agttcaaaac aatatctagt tttgatcaag agtttctttg 300
 gttatgacta aagttttcaa acatcacgta agaatggtaa taattgactt gaataatgct 360
 tcctatcaat caatttttat gtaaatacata aaagttaaaa ttaaaccggga atgtctgtta 420
 taaaattaac tgctcacttc cacaaaaata ttatttcata tctnaattca catagataaa 480
 gnggcgttttt cacgtgaact 500

<210> 1161
 <211> 237
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (203)..(203)
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<221> misc_feature
 <222> (237)..(237)
 <223> n = unknown

<400> 1161
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 tacaatttag attttttttaa atccatgaat atatttggtc taatcaaaat tattcatttt 120
 acgcttaatt ttattgggtg aactaataga tagatagata aagatataga gttaatatata 180
 aaatgaagaa aataaaatta aangccnaaa aaaaaaaaaa aaaaaaaaaa aaaaaan 237

<210> 1162
 <211> 441
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (410)..(410)
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<220>
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<400> 1162
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 atatgatacg taagataaaa ttcacataat ctatattatt ttgctattaa tattaactta 180
 attcttaaatt ttatttctta tttttcattt ttaaccacgc catctcggca agccatggta 240
 tacagcaaatt gagtaagcac acagtcaagg catgaaaaca tattatgtag ctgtgtgttg 300
 catctcgaat aaacccaacg attggacceca aagccaatgt cattattcct tgcaagaaca 360
 tgaacagccc gtatgctgaa ggaaatctct cctgtgaaaa atattcggcn aataactaaag 420
 gnaaaggcac atgaattcat g 441

<210> 1163
 <211> 110
 <212> DNA
 <213> Ctenocephalides felis

<400> 1163
 ggatcgcgaa atagtccaac tcttgacaaa atgaatgggt gctgccaaat acgaacgctg 60
 ctggaatttg tttcaactgg aattagttct tgagactcca aagacaatgt 110

<210> 1164
 <211> 484
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (28)..(28)
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 <222> (284)..(284)
 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

<400> 1164
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 ataaaacatt atgattgtcc aaatggcttg cactttgata aaacggagtt gcgatgcata 180
 cccacgccac cggcggaaga atgcaaaagt gagattgcta agtaaggctt aaaccaggaa 240

aacaatcttg aatagactaa ttaggattca aattatcata aagnagtcaa ttnatataat	300
aaatacacaa atgatctgng caattaaata taaaaaatat gtataaaaat taaaatgnat	360
aaaaatgttt ttatgtaagg ggnccaaacc aaaagncatt aactatagna atttctgntt	420
atttaaaata tataaatata ggaagcttta tggaatcaaa aaaaaaaaaa aaaaaaaaaa	480
aaaa	484

<210> 1165
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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atggaaattc ctgtctgcct caaacagggt ggatatgttt ccattgcttg cagattcaca	120
acataaaacg tgatgcttat gcaaaatttc attaccacgg ctaacagtga taccaaattc	180
tggaggggatt catcattggc aatgcatata agaattggaag atgctgccag agcaattcca	240
aaagaagcta cagagggtcca acgtcttcct attctgtcgc tggagaaacg tcctagtaga	300
tatgctggta attctactgc cgattgatat aaaaagttga gaaatggatt acctccata	360
ttgctcacgt tcaaaattaa tgtaaaatac gtcacggaac atacaatcca gcaaagcaca	420
ataagtgtag tattttctagc taaacgtaaa ctagaaaata aactcatgat tccggaactt	480
ttntgggttt ctgggatttt	500

<210> 1166
 <211> 74
 <212> DNA
 <213> Ctenocephalides felis

<400> 1166	
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ctgcagcagt gcgt	74

<210> 1167
 <211> 194
 <212> DNA
 <213> Ctenocephalides felis

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<400> 1167
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tgagggtttcc attgctttca ttcacgtttg aacttggagc agttgtggat gggcttattt 120
catcattcgt tgactgtggg tggtcgtctt taacgtcact gttaagcaaa cgcttgggcc 180
cagggtcagt ctgt 194

<210> 1168
<211> 480
<212> DNA
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<223> n = unknown

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<223> n = unknown

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<222> (334)..(334)
<223> n = unknown

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<223> n = unknown

<400> 1168
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gacattttgt ttgtgctcct tacataaaat acaattttat acattttaat ttttatacat 120
attttttata tttaattgca cagatcattt gngtatttat tatattaatt gactacttta 180
tgataatttg aatcctaatt agtctattca agattgtttt cctggtttaa gccttactta 240
gcaatctcac ttttgcattc ttgcgcgggn ggngngggta tgcacgcaa ctccgtttta 300
tcaaagtgca agccatttgg acaatcataa tgnntttatt tgccatttgt tgtaaccaa 360

gaaacattga taatattttt tacaatctct tcgatcggaa aaaacgtttt acttttgcac 420

gcagttctgc acgagaaaga ttttgggcaa accattcgtt gacgcgtctt ncatttcagt 480

<210> 1169

<211> 190

<212> DNA

<213> Ctenocephalides felis

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<223> n = unknown

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<222> (16)..(16)

<223> n = unknown

<400> 1169

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agtataggaa cccaatatta ttgccccgca aattttgcat atgatccgtt acgtcataat 120

tgcggaacct tggctctggg caaaaaatgc tatacagtta catgtcctgc acagcctaag 180

gtgctttcgt 190

<210> 1170

<211> 327

<212> DNA

<213> Ctenocephalides felis

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<222> (11)..(11)

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<222> (25)..(25)

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<400> 1170
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 tgaccntaaa ttcctcctca ggatcccaaa taactaaatc agcatccaag ccttcttttga 120
 tttgtccttt tatgccatcc agnccagtta atttcgcagg tcccgcagat aataaacgag 180
 aacatnatga gcttttaaagn cccttttagaa gcaccggtcc ataataaaga taatccaaat 240
 tgcataaccag caattccacc ccatgctttt aggaaatcag gatgacaacc attgcacagg 300
 cctttcagtg cagcaggcga tggtgaa 327

<210> 1171
 <211> 469
 <212> DNA
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<220>
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 <222> (397)..(397)
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<220>
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 <222> (441)..(441)
 <223> n = unknown

<220>
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 <222> (454)..(454)
 <223> n = unknown

<400> 1171
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 ataaaacatt atgattgtcc aaatggcttg cactttgata aaacggagtt gcgatgcata 180

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cccacgccac ccggcgaaga atgcaaaagt gagattgcta agtaaggctt aaaccaggaa 240
aacaatcttg aatagactaa ttaggattca aattatcata aagtagtcaa ttaatataat 300
aaatacacia atgatctgtg caattaaata taaaaaatat gtataaaaat taaaatgtat 360
aaaattgtat tttatgtaag gagcacaac aaaatgncat taactatagt aatttctgat 420
tattttaa atataaatat ngaagctttt tggnttttaa aaaaaaaaaa 469
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<210> 1172
<211> 189
<212> DNA
<213> Ctenocephalides felis
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ggatcatatg caaaatttgc ggggcaataa tattgggttc ctatactatt ttcgtcacia 120
taataatagc tttgacaatc atttatattt ggataaaatc tcgatggtga cggacatttg 180
aaaccttgt 189
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<210> 1173
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<212> DNA
<213> Ctenocephalides felis
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aaatatgtaa actagcttgc atgtttattg taagccagtc tataatctat tattgnttgc 180
actttactta aatttaagt 199
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<210> 1174
<211> 500
<212> DNA
<213> Ctenocephalides felis
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<223> n = unknown
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<220>
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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

<220>
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<222> (451)..(451)
<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<222> (487)..(487)
<223> n = unknown

<220>
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<222> (489)..(489)
<223> n = unknown

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<220>
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<222> (493)..(493)
<223> n = unknown

<400> 1174
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tattccttaat atttatagca ctgncgtaat aattctttgt aaaatgagcc atatctctgt      120
tgagagtcac accgtaatca tatcgacatt gatatgattc tccacataaa tcttcagcac      180
gattgatgtc gctacttctg ttgatggaa gaaaatcttt aggttcttta acccagtttg      240
gtataaatga ggaatttgca taataactgg ctgtgcgacc aaattcacga gtgaagagtg      300
ccgctccgag gngntcattt tcacgatccc ncagcatcca gtgacgtgcg aaatctttat      360
gaacagattc aaaactgggtg agantaacag gcacaaaagg tccatcaggg ttgcaaagcg      420
ctgcatatcc aactcaattt tcgagagaca naggtttatt aataatgnca tgggnaanna      480
acttacngnc atnaatcctg                                         500

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<210> 1175
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<220>
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<223> n = unknown

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<220>
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<222> (159)..(159)
<223> n = unknown

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<220>
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<222> (195)..(195)
<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<222> (280)..(280)
<223> n = unknown

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<220>
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<222> (389)..(389)
 <223> n = unknown

<220>
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<220>
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 <222> (436)..(436)
 <223> n = unknown

<220>
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 <222> (459)..(459)
 <223> n = unknown

<400> 1175
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 tgtgatcatt tggattcaag ttatattatt tctatttgng attggctata aaaacaatga 180
 atattgggttc attgntccct gctaagtcac taatatttca ctgtagttat taatttaagt 240
 ttgattgaca tccgttgatt tttccacaa gaagntaagn ctttcttttt tttattagtg 300
 gttaaataat accttttcgc gaagagaagg ggtgattgta tatttcattt gactaagaaa 360
 cctagctggt atgactttca agaaagccna acttaacaat naacttggaa aaattatgaa 420
 gagatttttt aaagcnagcc ctaaagtgat tggagaagng aaatatttaa taatatcttt 480
 atgtgaataa taggtatttg 500

<210> 1176
 <211> 416
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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 <222> (142)..(142)
 <223> n = unknown

<220>
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<400> 1176
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 ttccgatcga agagattgga aaaaatatta tcaatggttc ttggttaaca acaaatggca 120
 aataaaacat tatgnttggc cnaatggctt gcactttgga taaacgggag gttgcgatgc 180
 ataccacgc ccccgcgaa gaatgcaaaa gtgagattgn tnagtaggnt taaaccanga 240

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aaacaatctt ggatagnccn attagggatc aaaatatnt aaaggnggtc atttaataata 300
ataaatcccc aatggatctg gggcatttaa atttaaaaat atgtataaaa attaaatgna 360
taaaatgggtt tttatgtagg ggcnaacca aatgggtcatt actatagnat tctgat 416

<210> 1177
<211> 332
<212> DNA
<213> Ctenocephalides felis

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tcacattttc atttatatttc taatctaata tccccaaatt tcaactaana agttaaatcc 120
tttgccagtc tgagaagata ggagtaaagt tncatttttc cagccaactc caccattgac 180
aagagtggca tagcctcctt ggccatttac atattgggcc agggcacgta cacaactgat 240
tgtgcgatta tttcttgaac ccactggtgg aaatgacact tntctggtag ctttctgaa 300
aaagcttcca cttttggatt ggacttgctg gt 332

<210> 1178
<211> 128
<212> DNA
<213> Ctenocephalides felis

<400> 1178
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ttcataaata cttttttgtg atatgaacat acttcgcaaa aattaaattt gacagaaaac 120
 atttaagt 128

<210> 1179
 <211> 101
 <212> DNA
 <213> Ctenocephalides felis

<400> 1179
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 ccaggttggt ttctatcctt aatttttttaa aattaattag t 101

<210> 1180
 <211> 389
 <212> DNA
 <213> Ctenocephalides felis

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 catgtagatt tttaaggagc aaatagcacc ataacatag tcgcaaatca ttggtttata 180

tgattaacaa	tgntaacttt	gtcatacaaa	ggatcgcttn	tatagatttc	atatcttaaa	240
tattatcaac	gontgcaaat	ataaataagt	gattaaatta	atcaagaagt	tcacatagat	300
tttgtttaac	atgatacaca	tgcaactatt	ttntcaaaca	aaattcatat	ttactattta	360
cagggaaaaa	acttatataa	atatgttgt				389

<210> 1181
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 1181						
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aaagataaat	acacaaataa	tagattccaa	tagtaagaat	taagtaaaat	atgaagccat	120
atgtacatat	tatattcaca	ataatcta	attccaagtt	gcggaatgct	tgctgtaaat	180
cctcatgtaa	ttgatcaaaa	tcactcttga	tctttgcctc	accatccttg	actgggtcct	240
tgaacttcat	tgaggacaac	tgatatagaa	tattgccc	atggtattcc		300
aggtaatctt	gttttcactt	tgtgcagtag	attcaactgc	gtattttgcc	atatcataga	360
aagcaataat	gttacgtaac	ataccaactg	ttttatagaa	ggggcagaaa	cgatcatatg	420
atgagtagct	gtctgctgta	ggaaatcgct	ttcaagagct	tggcacttca	agtgtgatct	480
tgtcagtttc	cgccaaggag					500

<210> 1182
 <211> 290
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (62)..(62)
 <223> n = unknown

<400> 1182						
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tgtattaata	aagactaatg	gagctttgca	acaatcatcg	ggaatccaaa	attagattta	180
tactcactcc	aataagtgaa	taagaaatta	tttttattta	cttcttgga	ttgaatatga	240
atcttgat	tttgattatgct	acatttatga	tgttttggac	ctgaatacgt		290

<210> 1183

<211> 434
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (55)..(55)
 <223> n = unknown

<400> 1183
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 cgaacgtcaa tggacctaca gattttggca tcatacctaa agcgatttca tatccagcat 120
 cccttatgga ttgtctggcc atggaggaat ttctgtaatt gtgagccaat ccaatatgca 180
 tgaaagggtgt atgatgaccc aaagctaaaa gacgtaaacc taatccgtgc aaaatattga 240
 tcataccggc aacaccagca tattttccaa atgctactac tctttggccc ttttcgtcca 300
 tcaacttttc ataatcgata agacgaatat tcttttccat aattgcatca agtaaaggca 360
 tattagattc ttgggctttg ataacatgtg aaaacatgca gtaggtttta ttgggaatta 420
 attgttctac aggt 434

<210> 1184
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 1184
 ctgaaatgtg aagacgacgt caacgaatgg tttgacccaa aatcttttctc gtgcagaact 60
 gcatgcaaaa gtgaaaacgt tttttccgat cgaagagatt gtaaaaaata ttatcaatgt 120
 ttcttggtta acaacaaatg gcaataaaaa cattatgatt gtccaaatgg cttgcacttt 180
 gataaaacgg agttgcatg cataccacg cccccggcga agaatgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420
 cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480
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<210> 1185
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

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<220>
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<222> (467)..(467)
<223> n = unknown

<400> 1185
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acagtatttg aatctttgga cattggctgg caattgttgc gtatcttccc caaggagatg      120
ttgaagagaa taccgcgttc caccctcgcc gagttttacc cacgtgattc tcgtcattaa      180
aaatcttact aaagtttcca tcaataccat attttatttc cctttatatg ttgtcttctc      240
catgtaaaga atattaaatc agtttttggg atgtctggta ctaaccacat ccttaatgta      300
aggaaaacat gaagacatgt tttaatgttt aaagaaattg tagatactta taaaataatg      360
attctattgt taaaatgaaa gtatgttggt gtgaaacagt attctgccgt ctagctacaa      420
gttggtgaaa tattattaaa ttttattatt atatttggtt tttctgnatg gggtttaaact      480
cattccatga taattttc                                         498

<210> 1186
<211> 240
<212> DNA
<213> Ctenocephalides felis

<400> 1186
gggggacaag gttttcaaat gttccgtcac catcgagatt ttatccaaat ataaatgatt      60
gtcaaagctg ttattattgt gacgaaaata gtataggaac ccaatattat tgccccgcaa      120
attttgcata tgatcgttta cgtcataatt ggggacctat ggctctgggc acaaaatgct      180
atacagttac atgtcctgca cagcctaagg tgctttcgta cattggtgat aaatcattgt      240

<210> 1187
<211> 235
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (33)..(33)
<223> n = unknown

<220>
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<223> n = unknown

<400> 1187

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tggntatgac acaataccag caacagttgt gacgggcttt gtgcaatggc ccagctgata      120
actaatgggg gtgggttcttt ggggtctggc aacattncac gagcgggtgtc atagaaatcc      180
aaagtatgct gcacggtaga tgatgatacc ttgacagata cttcaaaacc acggt          235
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<210> 1188

<211> 498

<212> DNA

<213> *Ctenocephalides felis*

<220>

<221> misc_feature

<222> (425)..(425)

<223> n = unknown

<400> 1188

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acagtatttg aatctttgga cattggctgg caattgttgc gtatcttccc caaggagatg      120
ttgaagagaa taccgccttc caccctcgcc gagttttacc cacgtgattc tcgtcattaa      180
aaatcttact aaagtttcca tcaataccat attttatttc cctttatatg ttgtcttctc      240
catgtaaaga atattaaatc agtttttggg atgtctggta ctaaccacat ccttaatgta      300
aggaaaacat gaagacatgt tttaatgttt aaagaaattg tagatcttat aaaataatga      360
ttctattgtt aaatgaaag tatgttgttg tgaaacagta ttctgccgta ctagctacaa      420
gttgntgaaa tattattaaa ttttattatt atatttggtt ttttctgggtg gtttaaactc      480
attccatgat aattttca                                498
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<210> 1189

<211> 260

<212> DNA

<213> *Ctenocephalides felis*

<220>

<221> misc_feature

<222> (26)..(26)

<223> n = unknown

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<222> (74)..(74)

<223> n = unknown

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<220>
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<400> 1189
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ttggcatcct cgangtaatg gaaccttttt taatttttgg atagcaagcg gcctttggga      120

ttcatacaaa ctttgggtctt cgtcttttct gcctctttga aacattcggt tcttagttct      180

ggaagttttt gaacgttaca acccgatttc tcgcaacaca ttttttctcg gtttagtcgag      240

tcacaacttt ntttaaccgt                                          260

<210> 1190
<211> 420
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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 <223> n = unknown

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 <222> (299)..(299)
 <223> n = unknown

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 <223> n = unknown

<400> 1190
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 ctccttacat aaaanacaat tttatacatt ttaatttttta tacntatttt ttatatttaa 120
 ttgcccana cattnnggta tttattatat taatngactc tttatgataa tttgaatcct 180
 aattagtcta ttcaagattg ttttcctggt ttaagcctta cttagcaatc tcacttttgc 240
 attcttcgcc ggggggngng ggtntgcac gcaactccgt tttatcaaag ngcaagccnt 300
 ttggacaanc ataatgtttt atttgccatt tgttgttaac caaaaaacat tgataatatt 360
 ttttcaatct cttcgatcgg aaaaaacgtt ttcacttttg catgcagttc tgcacgagaa 420

<210> 1191
 <211> 361
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (31)..(31)
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<220>
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<223> n = unknown

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<222> (135)..(135)

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<222> (173)..(173)

<223> n = unknown

<400> 1191

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tagtaacata taaagaatac attgatttaa caattgataa tcatnttcac ataacacata      120
attataagct atcgnaattt ttagaaaatg agttgacttt aaatataaat acncaaattt      180
tcatattttt aagaacacaa ttatgttcaa gaacttcaca tatcaagata ctacctcagc      240
tttacagcat aattggggat cttctatata ttttttactt tggattaatt ttagctcaat      300
atatttcatg ttggaagtat cacctccagc taagtttgaa tattctagag ttcgttttag      360
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<210> 1192

<211> 210

<212> DNA

<213> Ctenocephalides felis

<400> 1192

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ggtccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattggggtt      120
cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tggataaaat      180
ctcgatggcg acggacattt gaaaccttgt                                     210

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<210> 1193

<211> 367

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (66)..(66)

<223> n = unknown

<220>

<221> misc_feature

<222> (349)..(349)

<223> n = unknown

<400> 1193
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 aaaggntgca ttaaatatac aactagcagc agccagagtt tcaactgatg ttggcattaa 120
 agtaggagaa gccctcagga atgtcgtgga acttcgttta aatttgggaa aatgttcttc 180
 agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg 240
 catcgtgtga aattgtaact tgadataatt tttcttaact attagtttta tagatgaaca 300
 aatacataat ctaataaacc agcaagtga ctttaaaaaa aaaaaaana aaaaaaaaaa 360
 aaaaaaa 367

<210> 1194
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1194
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 tgggtggcca gcagtgcagt gttcccttgt acaacatttc agactttgca cgtccagact 120
 gcatcatcat acgcctacgg acagtgtcga atggatatga cacaatacca gcaacagttg 180
 tgacggcttg tgcaatggcc cagctgataa ctaatggggg gttcttgggg tctggcaaca 240
 ttccacgagc ggtgtcatag aatccaaagt atgctgcacg gtagatgatg ataccttgaa 300
 cagatactcc aaaaccacgg tacaatccag ggagaccatc agacttgaag attttgggtca 360
 agcagttgcc caatccagag aattcacgtt gaccagcgcc tttacctaca tcagcggcca 420
 atctggtacg ggcaaaatca agtgggtaga cgaagcacia tgatgtgggt tcagcagcac 480
 caccagatgc caagtttt 498

<210> 1195
 <211> 425
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (16)..(16)
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<220>
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<222> (62)..(62)
 <223> n = unknown

<220>
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 gntgaacctc aatagttcct aaagtttcat agccaaattc acatttggga tcaagtgaat 120
 tagcttcatt aatcaattga actgcagtat caacatcacc tgtccattgc aaccttagta 180
 atccttttatg aacataaaca atagcattat taggctcaat ttcaatggct ttagagaaat 240
 atgaatctgc tttggagtat tgtctttgat cacaaagcac ttgtgcatat aaagnatagc 300
 actctataca gagaggaaat tttttaatgg cattgtaaag gcccaattat ttcttttgcc 360
 ttattcatgt ccttaacagc aaaagcatat cgatggccgt atatattttt tggacataag 420
 caata 425

<210> 1196
 <211> 343
 <212> DNA
 <213> Ctenocephalides felis

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 aaaggttgca ttaaatatac aactagcagc agccagagtt tcaactgatg ttggcattaa 120
 agtaggagaa gccctcagga atgtcgtgga acttcgttta gatttgggaa aatgttcttc 180
 agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg 240
 catcgtgtga aattgtaact tgaaataatt tttcttaact attagtttta tagatgaaca 300
 aatacataat ctaataaacc agcaaaaaaa aaaaaaaaaa aaa 343

<210> 1197
 <211> 207
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (35)..(35)
 <223> n = unknown

<220>
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<223> n = unknown

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<222> (134)..(134)

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<223> n = unknown

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<222> (195)..(195)

<223> n = unknown

<400> 1197

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tggtaaaata aaattcagac atgtcatgga agaaaatgga aaaaaagttg aatttagtgg 120

acaactnaga cgtnatgatg aacattccgg taatggatat ntgagaatna gttatgaaga 180

tacaaatcga gaatnagatt atatagt 207

<210> 1198

<211> 92

<212> DNA

<213> Ctenocephalides felis

<400> 1198

caaacgaatt acaacaagtg gaaaccactg taataacaaa cgaaaagtgc tacgaattgt 60

ctcaattcgt tgaaccaact tcgcaaatat gt 92

<210> 1199

<211> 232

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (65)..(65)

<223> n = unknown

<220>

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<222> (104)..(104)

<223> n = unknown

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<220>
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<222> (130)..(130)
<223> n = unknown

<400> 1199
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aagtnttgga attaaccccc gatgaacgcc ctagcctgtt cttnttccgc ttatcaacaa      120
atttcaaatn ccccgaagac accgacaaag ccaaaacaga gctcaccaaa gccatcaaaa      180
ccttgagcga ggcttttgat aaaacctacg aaggcaaagt gctgttcacc gt              232

<210> 1200
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (66)..(66)
<223> n = unknown

<220>
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<222> (383)..(383)
<223> n = unknown

<220>
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<222> (430)..(430)
<223> n = unknown

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<222> (480)..(480)
<223> n = unknown

<400> 1200
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taaagaagta tttgcatcat tggatgagcc cgcaccagga gtagtaccta ctctgaacc      180
tacacctgta ccgaaacccg agcaaaaatg taataaagta aaatttagtt gcgtgaattc      240
gtgcagttca cccgaaatgc agtattgtcc ggaaatagga gcagatccgg ttaaggaatc      300
ctgtagccca gatcaagtgt gcgctgatca aagtggatat ctacagtgca ccactaaaga      360
aagtcagtct gcaaagtcaa ggnttcaa atgtccgcacca tcgagatttt attcaaatat      420
aatgattgn caaagctatt attattgtga cgaaaatagt ataggacca atattattgn      480
cccccaaatt ttgcatatga                                              500

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<210> 1201
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1201
 tatcagtatc acccttacgt gaataactccg aaaaaatcat tgaagcacga agaacagaag 60
 caccttactt actaccaccg cttttaagcc actacgatag ttcccaaaca agacctttat 120
 ccagcttgca gcatctcatg atcgatcaaa acactttaat cgaaggcttg aaattgggtg 180
 gtgtcgatgg atcttcatta aaacaactag ctcactttgc acattgcccg ataactatga 240
 acatgggtca cagacatagt tgggtcgagg ctggcacttc tttaggaagt gctacggatt 300
 tgagctcttt aaacaacgat gtggatagcg caacaagttc accaggatta tccaggaaaa 360
 ttaacaccga agaattttct tttgatgtca tgaaacgagc agtaaataaa caaactgagt 420
 ctgaacaatt actgcaagag gaacaatata aacgacttgc caaagcgttt agaaatgaac 480
 catttgatga attgtgcc 498

<210> 1202
 <211> 305
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (89)..(89)
 <223> n = unknown

<400> 1202
 cgttacttcc aaccatTTTT gcaataattt taactatgtc ttatttatatc cctttgtgca 60
 tatagggttt aaactgacta acaagtatna ctttttttta taaatatcca agtatcatalc 120
 gacacacggt tataacgatt tcataaatta aatatcactg tttgtttttg taaaaaggca 180
 ctttttgtct tcaagcacac acgaggcttt aaactaccaa tgtaatatatt gactagaata 240
 attttaattg tttcagcgtc cactgaaggc ttttaagcaac ttcgtgccaa acagactctc 300
 tgtcg 305

<210> 1203
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1203
 tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg 60

FC-8-C3.ST25.txt

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catgcaaaag tgaaaacggt ttttccgata gaagagattg taaaaaatat tatcaatggt 120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
ataaaacgga gttgcgatgc ataccacgc caccgcgga agaatgcaa agtgagattg 240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420
cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaata 480
aaaaaaaaa aaaaaaaaaa 498
```

```
<210> 1204
<211> 498
<212> DNA
<213> Ctenocephalides felis
```

```
<400> 1204
gggtatctgg cgatcatatgt ggttccaag tatacaatgt atgggcctaa tactcctaata 60
gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatggt 120
tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaattt cattaccacg 180
gctaacagtg ataccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa 240
gatgctgcca gagcaattcc aaaagaagct acagagggtcc aacgtcttcc tattctgtcg 300
ctggagaaac gtcctagtag atatgctggt aattctactg ccgattgata taaaagttg 360
agaaatggat tacctccat attgctcag ttcaaaatta atgtaaaata cgtcacggaa 420
catacaatcc agcaaagcac aataagtga gtatttctag ctaaacgtaa actagaaaat 480
aaactcatga ttccgtaa 498
```

```
<210> 1205
<211> 269
<212> DNA
<213> Ctenocephalides felis
```

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<220>
<221> misc_feature
<222> (30)..(30)
<223> n = unknown
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<220>
<221> misc_feature
<222> (59)..(59)
<223> n = unknown
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FC-8-C3.ST25.txt

<400> 1205
 agatctacta atgccgcgtt taccactgtn acagcaattc cgcaaaccag caaccacana 60
 tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaattccc 120
 catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180
 attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt 240
 tcttcattg tgtctttaca ctcggtcgt 269

<210> 1206
 <211> 452
 <212> DNA
 <213> Ctenocephalides felis

<400> 1206
 tttcttttaa attcgtccat gagatgatct actagacgat tgtcaaaatc ttcaccgcct 60
 agatgagtat caccggcagt tgctctgact tcaaataagag atccttcac aattgttaaa 120
 acagatacat caaatgtgcc tccaccgagg tcaaataatta acacattcct ttctccttgt 180
 aggtgtttat ctaagccata tgccaaagca gcagctgttg gttcgtttat aacccttaaa 240
 acattcaaac ctgcaatgac accagcatct tttgtagett gccgttgaga gtcattgaaa 300
 taagcaggaa cagtaataac tgcattcttc actttctctc caagatagtt ttcagctgtt 360
 tctttcatct taactagcac cattgcacta atttcttctg gtgaaaagcg tttcagttgg 420
 ttcttgatt caacttcaat tttaggtgtt gt 452

<210> 1207
 <211> 313
 <212> DNA
 <213> Ctenocephalides felis

<400> 1207
 aattcttggc tataagttcg tcgcatgttt tgcaagtgat ttgtttattg catttattcc 60
 cgtggcatat ttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc 120
 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggc ctctgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240
 tttgaacggt acaaccgat ttctcgcaac acattttttc tcggttagtc gagtcacaac 300
 tttctttaac cgt 313

<210> 1208
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

```

<220>
<221> misc_feature
<222> (302)..(302)
<223> n = unknown

<400> 1208
aataaatcat ggtctgaaga gacaaataag attgaaagtc aaataatacc ttgtcagcat      60
ggttatgaat atgacaagaa catgggtatTT atcaacggct cccgtcagat caagactggg      120
tttgtgatag agaactctat gtaactaata catttgctat tggacgtgca ggcgaagtca      180
taggcacatt tattttttgga caattaggag ataggattgg aagaagacca gtattttact      240
taagtctcat cacaatcgca ccggaagact aattacagca tttacttcag ttggttttatt      300
gnttttataa cagcgggcttt tcttggttca ctaacatcta catctgtttt tcaaagccct      360
ttgataattg cgatggaaat atccagaagt gaagatagag cacacattgg catgatgcag      420
tccatcgggt ggccagtgga atgattctta tgcccgctact gatgtggggc acccagaatg      480
ggttattttg ctttggtgta                                         498

```

```

<210> 1209
<211> 500
<212> DNA
<213> Ctenocephalides felis

```

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<220>
<221> misc_feature
<222> (466)..(466)
<223> n = unknown

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<220>
<221> misc_feature
<222> (494)..(494)
<223> n = unknown

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<400> 1209
aatttttagt tattaattaa taacgaagtc atcattaatg aaataattaa tgaacgactt      60
taggataaatt atttatatac atttttataa gaaaagactc attattttat aagtatttaa      120
atttcaaaat caagtttttg ggatggagca gaagaataaa tatattttatt atatcgcccg      180
actgttatac gatgagattt tcttatgaaa gtggttccct ggtcgtgtta ggcaaaaata      240
gacacatcag accacctcca gccaatagta gtgctacaat aaatgtcggg gctggacaat      300
acatgtctaa taaagttgca attaccacat tgccaattat gctccaagt cgagcagcta      360
ccatagatat tgcacaccag tagccctcaa atttggttga aacacctcgg tgataagaca      420
gtccaacgct gcatttccac aagatataac agagctgaag actgengaca cgattaaatt      480

```

gtgacgttta ttgnaaaca

500

<210> 1210
 <211> 285
 <212> DNA
 <213> Ctenocephalides felis

<400> 1210
 tgctgctttc tgctagtgag gtatttgctg tttctaattg agtatttggt gaagtatttt 60
 ggcttaaggg ttgtgattcg gtgaggtttc cattgctttc attcacgttt gaacttggag 120
 cagttgtgga tgggcttatt tcatcattcg ttgactgtgg ttggctgtct ttaacgtcac 180
 tgtctgggaa agcaatagta aaagtatgat tatgagttaa tttttatttg ctgcactatt 240
 attattatct tactaagcaa acgcctgggc ccagggtcag tctgt 285

<210> 1211
 <211> 313
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (51)..(51)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (66)..(66)
 <223> n = unknown

<400> 1211
 aattcttggc tataagttcg ttgcatgttt tgcaagtgat ttgtttattg natttattcc 60
 cgtggnatat ttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc 120
 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggc ctctgtcttt cctgcattct tgaacattc gtttcttagt tctggaagtt 240
 tttgaacgtt acaaccgat ttctcgcaac acattttttc tcggttagtc gagtcacaac 300
 tttctttaac cgt 313

<210> 1212
 <211> 303
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (302)..(302)

<223> n = unknown

<400> 1212

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atttctattg actgggataa agtaactaaa aaggctgata aggtgacaga taaaattgaa      60
gaggctgtta ctggagaaac tcccaaatta atggataaaa ttgagagatt tgttgatagg      120
aaaattgaca aagcagagga attgctaaag aaaaatcaaa gaaaagccaa aaaatggtat      180
cacggtctta caggtgaaga agaatttaaa ttgcaagaaa tacatatattt tataggagca      240
tttgcagctg gtgctgcttt gggatttgca gctgcttagg aaaagcacac attttgatgt      300
ant                                                                    303

```

<210> 1213

<211> 305

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (300)..(300)

<223> n = unknown

<400> 1213

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cgttacttcc aaccattttt gcaataattt taactatgtc ttattatatc cttttgtgca      60
tatagggttt aaactgacta acaagtatca ctttttttta taaatatcca agtatcatatc      120
gacacacggt tataacgatt tcataaatta aatatcactg tttgtttttg tacaaaaggca      180
ctttttgtct tcaagcacac acgaggcttt aaactaccaa tgtaatattt gactagaata      240
attttaattg tttcagcgtc cactgaagge tttaagcaac ttcgtgccaa acagactctn      300
tgtcg                                                                    305

```

<210> 1214

<211> 320

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (9)..(9)

<223> n = unknown

<220>

<221> misc_feature

<222> (19)..(20)

<223> n = unknown

<220>

<221> misc_feature

<222> (40)..(40)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (42)..(42)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (44)..(44)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (82)..(82)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (257)..(257)
 <223> n = unknown

<400> 1214
 tttttttnt tttttgagnn atttataaat aacttttaggn gngncgccac taggggactt 60
 cccctacat ttagaagtcc gnattatttc ttacttttaa ttttattttc ttcattttta 120
 tattaactct atatctttat ctatctatct attagttcaa ccaataaaat taagcgtgaa 180
 atgaataatt ttgattagaa caaatatatt catggattta aaaaaatcta aattgtaaaa 240
 ttcttaaatz ccttatnata tttgcgagcc tgtgttcaac cataatattt ttttatataa 300
 cacataaagt aaaacaaagt 320

<210> 1215
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (401)..(401)
 <223> n = unknown

<400> 1215
 tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg 60
 catgcaaaag tgaaaacggt ttttccgacg gaagagattg taaaaaatat tatcaatggt 120
 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccggcgga agaatzcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300

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ataaagtagt caattaatat aataaatata caaatgatct gtgcaattaa atataaaaaa	360
tatgtataaa aattaaaatg tataaaattg tattttatgt naggagcaca aacaaaatgt	420
cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt	480
catgtatctt tttataaa	498

<210> 1216
 <211> 288
 <212> DNA
 <213> Ctenocephalides felis

<400> 1216	
ctgcttgata tcagggttaa tgagggaatg gaatctgcaa ttctgggtgc aaggctaattg	60
ctattaccac tgagctacta aacaaactta accataattt taaattatat tatttggggc	120
tgagtatata tatattttaa cttttgtgtt ttctatattt cgtttcacca tccaaacagt	180
gtttctcaaa ctttttacia tctttatctt ttatctatac atatttgggtg atgcttttat	240
gtcttgaatt cagttttacc tcagatcaaa ttcagtttgc ttgatagt	288

<210> 1217
 <211> 287
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (54)..(54)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (62)..(63)
 <223> n = unknown

<400> 1217	
tgcttgatat caggtttaat gagggnatgg aatntgcaat tctgggtgca aggntaatgc	60
tnntaccact gagctactaa acaaaactta ccataatttt aaattatatt atttggggct	120
gagtatatat atattttaac ttttgtgttt tctatatttc gtttcacat ccaaacagt	180

FC-8-C3.ST25.txt

tttctcaaac tttttacaat ctttatcttt tatctataca tatttggtga tgcttttatg 240
tcttgaattc agttttacct cagatcaaat tcagtttgct tgatagt 287

<210> 1218
<211> 466
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (26)..(26)
<223> n = unknown

<220>
<221> misc_feature
<222> (49)..(49)
<223> n = unknown

<220>
<221> misc_feature
<222> (52)..(52)
<223> n = unknown

<220>
<221> misc_feature
<222> (134)..(134)
<223> n = unknown

<220>
<221> misc_feature
<222> (300)..(300)
<223> n = unknown

<220>
<221> misc_feature
<222> (445)..(445)
<223> n = unknown

<400> 1218
tttttttttt tttttttttt ttttttctga ttagaacaaa tatattcang gntttaaaaa 60
aatctaaatt gtaaaattct taaatgcctt atcatatttg cgagcctgtg ttcaaccata 120
atattttttt tatntaacac ataaagtaaa acaaagtaca tattttgtat agtttctttt 180
gttgaatact tcatcaatat attaataataa tttaggtttc ctctcgcaag ttctctgtgtt 240
gcagctttga gtagcttggt taaatactgt tccaatcgga cattgatcag gaactggctn 300
tccttttagga cgtaaacacg tgaagaactt ccggcatggt gcgtcggttct tgaaagcaaa 360
ttttccacgt gtcggcatt gcccgacaca ggtttcgctc cttggggaaa actcggcggg 420
tcttcgcatt gcaatacggg tctnttttcg gccatacata cgacgt 466

<210> 1219
 <211> 310
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (227)..(227)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (230)..(230)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (239)..(239)
 <223> n = unknown

<400> 1219
 gggcgaaatc aagtgggtag acgaagcaca atgatgtggc tccagcagca ccaccagatg 60
 ccaagtttcc tgcaaggaa cgccagaatt gggctcttctt gtcaaggtat catcatctac 120
 cgtgcagcat actttggatt ctatgacacc gctcgtggaa tggtgccaga cccaagaac 180
 accccattag ttatcagctg ggccattgag caagccgtca caactgntgn tggattgng 240
 tcatatccat tcgacactgt ccgtaggcgt atgatgatgc agtctggacg tgcaaagtct 300
 gaaatgttgt 310

<210> 1220
 <211> 167
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (97)..(97)
 <223> n = unknown

<400> 1220
 ttgtctttga atgcgaagtt caaagcctga gttgggaaat aacgaatgac attggccaag 60
 ttaccacgcc agaaggaaag tacgccctgc tccttangga tacgtacaaa gcaatcgatg 120
 atcctttgta acgtttatcc tcagcaattt gtttggaaat gtgttgt 167

<210> 1221
 <211> 369
 <212> DNA
 <213> Ctenocephalides felis

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<400> 1221
 tgataccact gcacaacttc ttaccgaagg atgtttgcaa actttgtcct cgatgtcact 60
 tggatttaca tatattcctt tgtatttagc aatctcctta acacgatcgg ttatatagac 120
 ataaccgtct tcgtcgtaat aaccgacgtc tccggttttg aaccaaccgg tttgtgcgtc 180
 caaaaccgaa tcggttgccct cttggttgcc aaaatagccc aacatgggtg ggccacaaag 240
 gtagatctct ccttgtttgt ttggggccaag atttaggcct gtatccatgt ctactatctt 300
 cagttctgtg ttgacacaaa caaagccaat agtatttggc ctatattcag gacaatccaa 360
 agtaattgt 369

<210> 1222
 <211> 371
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (20)..(21)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (45)..(45)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (240)..(240)
 <223> n = unknown

<400> 1222
 tttttnttt tttttatatn naattgcaca gatcatttgn gtatntatta tattaattga 60
 ctactttatg ataatttgaa tcctaattag tctattcaag attgttttcc tggtttaagc 120
 cttacttagc aatctcactt ttgcattctt cgccgggttg cgtgggtatg catcgcaact 180
 ccgttttatc aaagtgcgaag ccatttggac aatcataatg ttttatttgc catttggtgn 240
 taaccaagaa acattgataa tattttttac aatctcttcg atcggaaaaa acgttttcac 300
 ttttgcattg agttctgcac gagaaagatt ttgggtcaaa ccattcgttg acgtcgtctt 360

cacatttcag t

371

<210> 1223
 <211> 386
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<400> 1223
 cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggangt 60
 gttgttgga gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta 120
 atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacattttat 180
 cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt 240
 cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcgattacaa agaaaattca 300
 gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt 360
 tattagattc gatgtaagat atatgt 386

<210> 1224
 <211> 428
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (296)..(296)
 <223> n = unknown

<400> 1224
 cgtattcaat ggtatgaatt gcttggtgaa tgaaaatttc actcatgggt tcttcttcgt 60
 gttctccatg agctgctttt ggcggtgcct ttggtgcctc tggcataccg ttttcttggt 120
 tggagacaac gtctgaagtc atttccattc cttgggttta atcaccattt gatttagcag 180
 aatgaggagc ttcatcttta tttttcttgg ttgccatcaa atataatggt ttgcctaaga 240
 gcatgagcgg aatacagcag agcccaatta acacaaatat tttttgaatt tgctgntgcc 300
 ttcaaacata aattcatcgc attgttctgc tggagatcct tgcttgaata acatcatgtt 360
 aatgaacaga atcaaaactg atggtgcgca gcagggttca aatctgatgt ctgtattatt 420
 tgcagagg 428

<210> 1225
 <211> 407
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (38)..(38)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (234)..(234)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (300)..(300)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (303)..(303)
 <223> n = unknown

<400> 1225
 ttttgnctact ttttttttatt tcatcaacta cngggaantn ggaacaaata aagaacnatt 60
 attctttaaat taaagggaaa ttttcatca tacattcaac atgaatcaat tctaaaatta 120
 tgtgaataac ccaaatttta aaccattaac acaaataattt tttattccca cttaacttat 180
 tacttattaa aatattactt ggcaagtatt tttatatttt ggattttttt aggnatatta 240
 taaagacgcc tttagttggt gccttatgaa taaaatacat atttataata cattcacatn 300
 ttntatacta aactattgag aagacttaga cgatttaatg gaattaatat gaaggaattt 360

attaaattaa attttataaa tataaaaaaat ttttagtgctt ttttttaa

407

<210> 1226
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (48)..(48)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (52)..(52)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (194)..(194)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (223)..(223)
 <223> n = unknown

<220>
 <221> misc_feature
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 <223> n = unknown

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 <222> (255)..(255)
 <223> n = unknown

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 <222> (258)..(258)
 <223> n = unknown

<220>
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 <222> (421)..(421)
 <223> n = unknown

<220>
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 <222> (424)..(424)
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<400> 1226
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 tgattattta gaaatcttta taaacaatag gacacttaca tttcaaaaaat aggtggttacg 120

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aataaattat gatctcttttc actacatata ttacaatcaa catttattaa ataagtgttg	180
aattttattta ttgngcaaat aataatatgc tttccatggt tgnaatcaat ttattaattt	240
aattgnataa tttgntgntt tacctacaca ttttagctac tggtaagcta ggcataatgt	300
gaaatgtata tcttaatttt tttgagatca aaagctttca atttaattaa aaatgaaatt	360
tattaataaaa tatgtgcaat tttccaatta ttgtgatgcc tagttatgcc tatgataatg	420
ntgnaatcat aatattttga ataatcgatt ttatatgatc tctatatgtg cgaatatttt	480
aacaaactat aaatgtttta	500

<210> 1227
 <211> 265
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (60)..(60)
 <223> n = unknown

<220>
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 <222> (233)..(234)
 <223> n = unknown

<400> 1227	
catataaatt gttgaagaaa agttgtttat ttgtatttat ttgtaaatat tgttaaagggn	60
taaatatata aagattgggt ttatgggtta tatgtctaac atttattttg taacatacag	120
ttaagaacac aatagaaaaa tcatttaatt agttggatat ttttagtata agtattcctg	180
tgtagatagc aagttgtgac tacagaataa atatctgatt ttatcacaag gtnnaaaaaa	240
aaaaaaaaaa aaaaaaaaaa aaaaaa	265

<210> 1228
 <211> 487
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (61)..(61)
 <223> n = unknown

<220>
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 <222> (70)..(70)
 <223> n = unknown

<220>
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 <222> (478)..(478)
 <223> n = unknown

<220>
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 <222> (484)..(484)
 <223> n = unknown

<400> 1228
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 cttgggttaac aacaaatggc aaataaaaaca ttatgattgt ccaaattggct tgcactttga 180
 taaaacggag ttgcgatgca taccacgccc acccggcgaa gaatgcaaaa gtgagattgc 240
 taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca 300
 taaagtagtc aattaatata ataaatacac aaatgatctg tgcaattaaa tataaaaaat 360
 atgtataaaa attaaaatgt ataaaattgt attttatgta aggagcacia acaaaatgtc 420
 attaactata gtaatttctg attatttaaa atatataaat atagaagctt tttggggnaa 480
 aaanaaa 487

<210> 1229
 <211> 221
 <212> DNA
 <213> Ctenocephalides felis

<400> 1229
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 aataccacct gcggcgaaat ccttggcgaa agccactggg tctgcaagtg cgggcatcat 120
 cttgaaaaag ttacttaat ttaacacggg cggaacaat aaattaaata aaactctttt 180
 gcaaactcga cccgatatag cagggtctgg agacggtagg c 221

<210> 1230
 <211> 408
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (11)..(12)
 <223> n = unknown

<220>
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<222> (35)..(35)
 <223> n = unknown

<220>
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 <222> (38)..(38)
 <223> n = unknown

<220>
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 <222> (120)..(120)
 <223> n = unknown

<220>
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 <222> (144)..(144)
 <223> n = unknown

<220>
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 <222> (168)..(168)
 <223> n = unknown

<400> 1230
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 aattcttaaa tgccttatca tatttgcgag cctgtgttca accataatat tttttttatn 120
 taacacataa agtaaaacaa agtncatatt ttgtatagtt tcttttgntg aataacttcat 180
 caatatatta atataattta gggttcctct cgcaagttcc tgtgttgag ctttgagtag 240
 cttgggttaa tactgttcca atcggacatt gatcaggaac tggctctcct ttaggacgta 300
 aacacgtgaa gaacttcggc atgttgcgtc gttcttgaaa gcaaattttc cacgtgctcg 360
 gcattgcccg acacagggtt cgctccttgg ggaaaactcg gcggggttc 408

<210> 1231
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n = unknown

<400> 1231
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 agaaattact atagttaatg acattttggt tgtgctcctt acataaaata caattttata 120
 cattttaatt tttatacata ttttttatat ttaattgcac agatcatttg tgtatttatt 180
 atattaattg actactttat gataatttga atcctaatta gtctattcaa gattgttttc 240

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ctgggtttaag ccttacttag caatctcact ttgcatctc tgcgccgggtg gcggtgggtat 300
gcacgcgaac tccgttttat caaagtgcaa gccatttgga caatcataat gttttatttg 360
ccatttggtg ttaaccaaga aacattgata atatttttta caatctcttc gatcggaaaa 420
aacgttttca cttttgcatg cagttctgca cgagaaagat tttgggtcaa accattcggt 480
gacgcgcttc acattttaag 500
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<210> 1232
<211> 211
<212> DNA
<213> Ctenocephalides felis
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<220>
<221> misc_feature
<222> (27)..(27)
<223> n = unknown
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<222> (56)..(58)
<223> n = unknown
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<221> misc_feature
<222> (64)..(64)
<223> n = unknown
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<220>
<221> misc_feature
<222> (187)..(187)
<223> n = unknown
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<220>
<221> misc_feature
<222> (196)..(196)
<223> n = unknown
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<220>
<221> misc_feature
<222> (208)..(208)
<223> n = unknown
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tatnattatt gtgacgaaaa tagtatagga acccaatatt attgccccgc aaattttgca 120
tatgatccgt tacgtcataa ttgaggacct atggctctgg gcacaaaatg ctatacagtt 180
acatgtnctg cacagnctaa ggtgcttncg t 211
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<210> 1233
<211> 451
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<212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (10)..(11)
 <223> n = unknown

<220>
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 <222> (13)..(13)
 <223> n = unknown

<220>
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 <222> (34)..(34)
 <223> n = unknown

<220>
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 <222> (37)..(37)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (119)..(119)
 <223> n = unknown

<220>
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 <222> (143)..(143)
 <223> n = unknown

<220>
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 <222> (430)..(430)
 <223> n = unknown

<400> 1233
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 attcttaaatt gccttatcat atttgcgagc ctgtgttcaa ccataatatt ttttttatnt 120
 aacacataaa gtaaaacaaa gtncatatatt tgtatagttt cttttgttga atacttcac 180
 aatatattaa tataatntag gtttcctctc gcaagttcct gtgttgcagc tttgagtagc 240
 ttggttaaatt actgttccaa tcggacattg atcaggaact ggctctcctt taggacgtaa 300
 acacgtgaag aacttcgggc atgttgcgtc gttcttgaaa gcaaattttc cacgtgctcg 360
 gcattgcccg acacagggtt cgctccttgg ggaaaactcg gcgggttctt cgcattgcaa 420
 tacgggtctn tttcggccat acatacgacg t 451

<210> 1234
 <211> 500

<212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (450)..(450)
 <223> n = unknown

<400> 1234
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 gttatctgtc gttaccgctt atgatggtga gtttaatgtc gacggaacgc ctttaacagt 120
 aaataaagaa gtatttgcac cattggatga gcccgcacca ggagtagtac ctactcctga 180
 acctacacct gtaccgaaac ccgagcaaaa atgtaaaaaa gtaaaattta gttgcgtgaa 240
 ttogtgcagt tcacccgaaa tgcagtattg tccggaaata ggagcagatc cggttaagga 300
 atcctgtagc ccagatcaag tgtgcgctga tcaaagtgga tatctacagt gcaccactaa 360
 agaaagtcag tctgcaaagt caaggtttca aatgtccggt ccatcgagat tttatccaaa 420
 tataaatgat tgcaaagcta ttattattgn ggcgaaaata gtataggaac cccatattat 480
 tgccccaaat ttgcatatga 500

<210> 1235
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (65)..(65)
 <223> n = unknown

<400> 1235
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 cctcttcaaa tttaaaatgc atcagattct tggctagata aacaacataa cttcttggtt 180
 gttctttatc tctgaactta aagttcatat cgtaattgc ctttgattca tcaaatatcc 240
 atttttgtgg tgtttccttt ttcagcaaat taatatactg aaaaactagt ctgactatat 300
 catcaacatg gtttaacgcc tcttctgtta aatctgcatc tagtttgaag aaaccaaadc 360
 ccctcctctg aacagcaccg caagataagc ttgaactcca accacgtgct ttcaaacatg 420

ataagagact gccgggtccc tcatgcccaa aaagatgacc taaataattt cctgggtgcag 480
atttttctaaa aggctcaa 498

<210> 1236
<211> 230
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (3)..(3)
<223> n = unknown

<220>
<221> misc_feature
<222> (7)..(7)
<223> n = unknown

<220>
<221> misc_feature
<222> (17)..(17)
<223> n = unknown

<220>
<221> misc_feature
<222> (22)..(22)
<223> n = unknown

<220>
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<222> (35)..(35)
<223> n = unknown

<220>
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<222> (40)..(40)
<223> n = unknown

<220>
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<222> (43)..(43)
<223> n = unknown

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<222> (80)..(80)
<223> n = unknown

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<222> (83)..(83)
<223> n = unknown

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<222> (141)..(141)
 <223> n = unknown

<220>
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 <222> (210)..(210)
 <223> n = unknown

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 gcattttgtg cccagagccn tangtcccca attatgacgt aacggatcat atgcaaaatt 120
 tgcgggggcaa taatattggg ntcctatact attttcgcac aataataata gctttgacaa 180
 tcattttatat ttggataaaa tctcgatggn gacggacatt tgaaaccttg 230

<210> 1237
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (254)..(254)
 <223> n = unknown

<400> 1237
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 gattatthtag aaatctthtat aaacaatagg acacttacat ttcaaaaata ggtgtttacga 120
 ataaattatg atctctthtca ctacatatat tacaatcaac atthtattaaa taagtgttga 180
 atthtatttat tgtgcaaata ataatatgct ttccatgtth gtaatcaatt tattaattta 240
 atthgtataat thgntgtthtt acctacacat thtagctact ggtaagctag gcataatgtg 300
 aaatgtatat cttaaththtt ttgagatcaa aagctthtcaa thtaattaaa aatgaaatth 360
 attaataaat atgtgcaatt thccaattat tgtgatgcct agttatgcct atgataatgg 420
 tgtaatcata ataththtgaa taatcgatth tatatgatct ctatatgtgc gaataththta 480
 acaaaactata aatgtthtt 498

<210> 1238
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (67)..(67)
 <223> n = unknown

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<220>
<221> misc_feature
<222> (445)..(445)
<223> n = unknown

<400> 1238
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gcatatngta gaataagatt taatatgtaa tattacatgg aacttaattt ttaattgtat      120
atcaatcttt agtataagca agactacgag gacgtatttt aatgtatatt aaaaatgatg      180
tgtataatca ttatttctat ttaattcaaa agagtatata ttgaaatatt tatattaaac      240
aaatattata aaaataatca tatataaatt ataacagcat tctattttat tccaatggca      300
tgagcattca ggacgtaaag tgattaacag gtttcgatca aaatagaatt ctatagtttt      360
tgttctaaaa gaaacgaaat tttaaaaaaa ttatgttatt cggagggttt tattacagct      420
attaaatttt ttttaacttta gccgntatgt aatttagaaa tataagaata ttttaaatat      480
tcataaatta tatcaaat                                         498

```

```

<210> 1239
<211> 331
<212> DNA
<213> Ctenocephalides felis

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<400> 1239
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gcgtaagaat cattccactg gtccaccga tggactgcat catggcaatg tgtgtcttat      120
cttcacttct ggatatttcc atcgcaatta tcaaagggct ttgaaaaaca gatgtagatg      180
ttagcgaacc aagaaaagcc gctgttataa aaacaataaa ccaactggaa gtaaatgctg      240
taattagtct tccggtgacg attgtgatga gacttaagta aaatactggt cttcttccaa      300
tcctgtctcc taattgacca aagataaatg t                                         331

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<210> 1240
<211> 384
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (90)..(90)
<223> n = unknown

<400> 1240
tttttttttt tttttttttt ttgaatgctg tatataacct ttatttatgg atgcatagat      60

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agatgtgtgc caaatTTaaa atactattgn atatttaatt ttttttctat attcacattt 120
 tcattatatt tctaattctaa tatccccaaa tttcaactaa gaagttaaatt cctttgccag 180
 tctgagaaga taggagtaaa gttacatttt tccagccaac tccaccattg acaagagtgg 240
 catagcctcc ttggccattt acatattggg ccagggcacg aacacagcta attgtgcgat 300
 tattttctga tcccactggg ggaaatgaca cctctctagt agctttcctg aaaaagtTtc 360
 cactcttgga ttggacttga cggt 384

<210> 1241
 <211> 118
 <212> DNA
 <213> Ctenocephalides felis

<400> 1241
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 caacaacgcg cctccaatga agatattccg tagccgaaga gttcttctcg gtgatggg 118

<210> 1242
 <211> 425
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (352)..(352)
 <223> n = unknown

<400> 1242
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 atgacaaaagc tgctaaaaaa caggtatgtc ttaaagcaac tcttctacat aatgcaggat 120
 cagtaactgc catcattcta taccagctc tactgtaatc cggctcttaa ttccaagata 180
 atgcattaaa atgtggaaat tgccacgtat ataaaagacc tcctaagata aatgctcctg 240
 cacttaaatt accggaacaa gcagcccaac ccattagggg tgggattgct ccgacgattg 300
 atccaacca agtattcaga atacttattc ttttcattgg agtatatacg gnggtatata 360
 atattaaatt agctgctcct aatcctgctg ttaaaccatt tacaccaaaa tataacatac 420
 ctatc 425

<210> 1243

<211> 328
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (65)..(65)
 <223> n = unknown

<400> 1243
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 ctaatcaaaa ttattcattt tacgcttaat tttattgggt gaactaatag atagatagat 180
 aaagatatag agttaatata aaaatgaaga aaataaaatt aaaagtaaga aataatacgg 240
 acttctaaat gtagggggaa gtcccctagt ggcggacacc taaagttatt tataaataaa 300
 tcaaaaaaaaa aaaaaaaaaa aaaaaaaaa 328

<210> 1244
 <211> 468
 <212> DNA
 <213> Ctenocephalides felis

<400> 1244
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 ataccgagtt gctctatgga cttaagatgt tagacaaagt tgtaaattat ttaattttcaa 120
 acaaatttgc caaatatttc attcaaatta acaaaaccat tcaaaagtta caagaatttt 180
 aaagttagta aacattgcga caaccgtagt gtcgacatca atttaaaatt attaattttt 240
 cagtataccg agttgctcta tggacttagg atggttagaaa aagttataga ctattttaatt 300
 ttgaacaaat ttgccaaata tttcatttaa attaaacaag cagtttataaa gttacaagaa 360
 tttgaaagtt agtaaacatt gcgacaacgt agggtcgaca tcaattataaa attattaaat 420
 tatgagtatc cgagttgatg taaggacttt tggtaaaaga caaagttg 468

<210> 1245
 <211> 472
 <212> DNA
 <213> Ctenocephalides felis

<400> 1245
 tttttttttt ttttttttaa gtatttatatt attctcttta taattttgaa cattgacggc 60

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attaacattt tttacctatg agtatgtaca tatactttac atcgaatcta ataacaataa 120
agagttatta attttcatgt cgatgtttta gaaaatgatt cagtagcaac ttctgaagtt 180
tctttgtaat tgataatact ttctcaaagt ataattgcat ttcacaacac acgacggaaa 240
tatgggttatg gtccatatga agcaatgctc gttcttctat ccacttgctt ctgataaatg 300
ttcgggtataa agaatgcaat cactccacat gctatcagag atgttcctga tattaataat 360
gttaaatacgc aattataatc tagaattatt cctacaacat tgcttccaac aacacttcct 420
aatcgaccca tcattaaaga tatacatact gccattgcct ggttgtagagg gt 472

<210> 1246
<211> 131
<212> DNA
<213> Ctenocephalides felis

<400> 1246
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tgctgcaaaa tacgaacgct gctggaattt gtttcaactg gaattagttc ttgagactcc 120
aaagacaatg t 131

<210> 1247
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (179)..(179)
<223> n = unknown

<220>
<221> misc_feature
<222> (182)..(182)
<223> n = unknown

<220>
<221> misc_feature
<222> (251)..(251)
<223> n = unknown

<220>
<221> misc_feature
<222> (492)..(492)
<223> n = unknown

<400> 1247
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caacaattga ctctataagt ttaggggtccc agtgtgtcat tagcgaagga ccgcaaagaa 120

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cctcttcaaa tttaaaatgc atcagattct tggctagata aacaacataa cttcttggnt 180
gntctttatc tctgaactta aagttcatat cgttaattgc ctttgattca tcaaatatcc 240
atTTTTgtgg ngtttccttt ttcagcaa ataatatactg aaaaactagt ctgactatat 300
catcaacatg gtttacgccc tcttctgtta aatctgcac tagtttgaag aaaccaa atc 360
ccctcctctg aacagcaccg caagataagc ttgaactcca accacgtgct ttcaa acatg 420
ataagagact gccgggtccc tcatgcccc aaagatgacc taaataattt cctgggcaga 480
ttttctaaaa gntcaagg 498
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<210> 1248
<211> 292
<212> DNA
<213> Ctenocephalides felis
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<400> 1248
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cttatactta tcagtgcctt ctaaaataac atacataatt taaatcaaaa ttaaatacga 120
gtaacaaaag tagtaaacaa atagaattag ttctaattctt cttacaccta aaaactattt 180
tagataaatt gagtagatcg ccattttctt ttaatttaat aaattctttt ttatgatgta 240
ttaaataattc atatatcggt tattttaaatg tttccggtat cttataattt gt 292
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<210> 1249
<211> 310
<212> DNA
<213> Ctenocephalides felis
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<220>
<221> misc_feature
<222> (59)..(59)
<223> n = unknown
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ggatatgaca caataccagc aacagttgtg acggcttgtg caatggccca gctgataact 120
aatgggggtgt tcttggggtc tggcaacatt ccacgagcgg tgtcatagaa tccaaagtat 180
gctgcacggt agatgatgat accttgacaa gaagacccaa ttctggcggt acttcgcagg 240
aaacttggca tctggtggtg ctgctggagc cacatcattg tgcttcgtct acccacttga 300
tttcgccgt 310
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<210> 1250
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<211> 428
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (413)..(413)
 <223> n = unknown

<400> 1250
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 ccaccagtgg gatcgagaaa taatcgacaca attagctgtg ttcgtgccct ggaccaatat 120
 gtaaatggcc aaggaggcta tgccactctt gtcaatgggtg gagctggctg gaaaaatgta 180
 actttactcc tatcttctca gactggcaaa ggatttaact tcttagttga aatttgggga 240
 tattagatta gaaatataat gaaaatgtga atatagaaaa aaaattaaat atacaatagt 300
 atttttaaatt tggcacacat ctatctatgc atccataaat aaagggtata tacagcattc 360
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggaaagga aaaaaaaaaa aanaaaaaaaaa 420
 aaaaaaaaaa 428

<210> 1251
 <211> 173
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

<220>
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 <222> (98)..(98)
 <223> n = unknown

<400> 1251
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 aattattaca agcacaagcc aaggtcggga ccatttgntc tggtaaaaaa tataaaatat 120
 cgacacactt tttggggggg gagggggatt cacaaaatcg aacattatta tgt 173

<210> 1252
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1252
 aagttttcgc agtttacaaa tccagaagag ataccagagc aacttcaaca tcagatcagt 60

gagtgcagtt cacaattaag aatgtctagt tcagagctaa caaagctgct atcgtcatta	120
tcaagcatat tgagcgatca atcatatata caacagcttc tcgatatcaa cgataccatc	180
actgagatgt cagaagttga aaattgaaag tcatcaacaa atgccatgtc atcaaagaat	240
ggcacgtcat aaataatttt attaaattct ttttaaaatt tatgtattat taaattgtaa	300
tgtctaagtc ttcataattag tattaagttt tcaaattttt atgttttttt ttgtattgta	360
ttaatagttt acttattttt cttattttga tatacctggg aatttgtaac ttataaagaa	420
gcttaagctc gtataaaact atctttatat ttatcaatgc ttatgtattt taaaacaaaa	480
ataaaatgct ttgaaagg	498

<210> 1253
 <211> 150
 <212> DNA
 <213> Ctenocephalides felis

<400> 1253	
cgcgctaaag gggaattcac ttaaattctt aagcgagtgt ttgcaaacta tcgatactat	60
cgatgggtttc agactttttt ctttcataaa tacttttttg tgatatgaac atacttcgca	120
aaaattaaat ttgacaaaaa aaattttaagt	150

<210> 1254
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (63)..(63)
 <223> n = unknown

<220>
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 <222> (245)..(245)
 <223> n = unknown

<220>
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 <222> (254)..(254)
 <223> n = unknown

<220>
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 <222> (257)..(257)
 <223> n = unknown

<220>
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<222> (420)..(420)

<223> n = unknown

<220>

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<222> (423)..(423)

<223> n = unknown

<400> 1254

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gantatTTtag aaatcTTTtat aaacaatagg acacttacat ttcaaaaata ggtgtttacga    120
ataaattatg atctcTTTtca ctacatatat tacaatcaac atttattaaa taagtgttga      180
atttattTTat tgtgcaaata ataatatgct ttccatgTTT gtaatcaatt tattaattta      240
attgnataat ttgntgntTT acctacacat tttagctact ggtaagctag gcataatgtg      300
aaatgtatat cttaattTTT ttgagatcaa aagcTTTcaa ttttaattaaa aatgaaattt      360
attaataaat atgtgcaatt ttccaattat tgtgatgcct agttatgcct atgataatgn      420
tgnaatcata atattTTtgaa taatcgattt tatatgatct ctatatgtgc gaatattTTa      480
acaaactata aatgTTTt                                     498

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<210> 1255

<211> 307

<212> DNA

<213> Ctenocephalides felis

<400> 1255

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atactctaga tttatatgcc aatgtttgttc atgttaaaag tttgccagga gttcgctcta      120
ggcataagaa tattgactgt gtaatcattc gtgaacaaac tgagggagag tatagtgtctt      180
tggagcacga aagcgttaca ggagttgtag aatgtTTaaa aattataaca gctaagaaat      240
ctgaaaggat tgccaaattc gctTTTtgact atgcaacaaa gcacaatcga aagaagggtga      300
ctgctgt                                           307

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<210> 1256

<211> 427

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (295)..(295)

<223> n = unknown

<400> 1256

FC-8-C3.ST25.txt

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ttctccatga gctgcttttg gcggtgcctt tgggtgcctct ggcataccgt tttcttggtt	120
ggagacaacg tctgaagtca tttccattcc ttggttcaaa tcaccatttg atttagcaga	180
atgaggagct tcactcttat ttttcttggt tgccatcaaa tataatgggtt tgcccaagag	240
catgagcgga atacagcaga gcccaattaa cacaaatatt ttttgaattt gctgntgtcc	300
ttcaaacata aattcatcgc aatgttctgc tggagatcct tgcttgaata acatcatggt	360
aatgaacaga atcaaaactg atggtgcgca gcagggttca aatctgatgt ctgtttat	420
gcagagt	427

<210> 1257
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (329)..(329)
 <223> n = unknown

<220>
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 <222> (405)..(405)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (466)..(466)
 <223> n = unknown

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caagcttaaaa ctttgcgtat tatgtaaaat taaaatatac aaaaaatata ctttgagtaa	120
atatgttggtc aatgatatat cattgatata gaaggctttt tatcagcttt ttataaattt	180
cgataacaca gatattgata aataaattac atgtgacctg gcaatgcttg aggtccctgc	240
ataaatatat ttgaccccat tcgctgctga tattgcacac tttgttgga ttcacgtta	300
ggattagaat ggcttgatgt aggtatggnt cccatgccat ttgtaatatg caatccattt	360
aaatgttgag acatttgatg tattaacata ggattagggc ctggntgtgg tgcctattgg	420
ttgaggatta ttcgctaggg acatttgaga actggtctga atcaantgca tttggggctg	480
actttgattt actattgc	498

<210> 1258

<211> 345
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (16)..(16)
 <223> n = unknown

<220>
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 <222> (75)..(75)
 <223> n = unknown

<400> 1258
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 cattgaaaca cttcgcaaaa tgtcaaaaaa aggattgact tatgagatac ttaaaaaagc 180
 ttacgaagga aaggggagaag agggccttga acaaattttg aaaactaaag taacaaaaggc 240
 aaagcttact ataaacaatg ttgtggtggt ttttcaaaaa catgcaaata atgttttaata 300
 acccttatatt atcagaaata tattataaat atttaacatt ttagt 345

<210> 1259
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (73)..(73)
 <223> n = unknown

<400> 1259
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 tttcttggtt aacaacaaat ggcaataaaa acattatgat tgtccaaatg gcttgcaactt 180
 tgataaaacg gagttgcatg gcataccac gccacccggc gaagaatgca aaagtgcagat 240
 tgctaagtaa ggcttaaaacc aggaataaaa tcttgaatag actaattagg attcaaatg 300
 tcataaagta gtcaattaat ataataaat acaaatgatc tgtgcaatta aatataaaaa 360
 atatgtataa aaattaaaat gtataaaatt gtattttatg taaggagcac aaacaaaatg 420
 tcattaacta tagtaatttc tgattattta aaatatataa atatagaagc tttatgaaat 480
 tacatgttct ttttaata 498

<210> 1260
 <211> 422
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (42)..(42)
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<220>
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 <222> (70)..(70)
 <223> n = unknown

<400> 1260
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 aacatgatgn tattcaagca aggatctcca gcagaacatt gcgatgaatt tatgtttgaa 120
 ggacaacagc aaattcaaaa aatatttgtg ttaattgggc tctgctgtat tccgctcatg 180
 ctcttgggca aaccattata tttgatggca accaagaaaa ataaagatga agtcctcat 240
 tctgctaaat caaatggtga tttgaaccaa ggaatggaaa tgacttcaga cgttgtctcc 300
 agccaagaaa acggtatgcc agaggcacca aaggcaccgc caaaagcagc tcatggagaa 360
 cacgaagaag aacctatgag tgaaattttc attcaccaag caattcatac cattgaatac 420
 gt 422

<210> 1261
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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 <222> (163)..(163)
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<222> (318)..(318)

<223> n = unknown

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<222> (454)..(454)

<223> n = unknown

<400> 1261

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ataaaaaaaaa attgctgcgg ccccccttat tttttttaac tgnntaattt tataaatact	180
caactgatat tatcagacta caaattaata tgcaatatta tgtaaaaaata ttcataaaaa	240
ctaaatatatt tttgnttatt ttttaataac gttctataaa tgggtgggta ttttcgataa	300
tagtaatctg gaaacagntg ttcgcgcccc ccttaggaca gcctggcgcc ccactgaggg	360
ggcgcgcccc acaggggtgga aaccgctgct ataaagtatt ggtaaatctg aatgggtata	420
tatattggat tttcaagaat atcggcacta tgggnatttct taccacattc atactatata	480
atataaaaaat attgcatt	498

<210> 1262

<211> 397

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (38)..(38)

<223> n = unknown

<220>

<221> misc_feature

<222> (62)..(62)

<223> n = unknown

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<222> (67)..(67)

<223> n = unknown

<220>

<221> misc_feature

<222> (77)..(77)

<223> n = unknown

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<221> misc_feature
 <222> (316)..(316)
 <223> n = unknown

<220>
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 <222> (371)..(371)
 <223> n = unknown

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 cnattangaa ggggtgntgg aagcaatggt gtaggaataa ttctagatta taattgcgat 120
 ttaacatcttt taatatacagg aacatctctg atagcatgtg gagtgattgc attctttata 180
 ccgaacatctt atcagaagca agtggataga agaacgagca ttgcttcata tggaccataa 240
 ccatatttcc gtcgtgtggt gtgaaatgca attatacttt gagaaagtat tatcaattca 300
 aagaaaattc agaagntgct actgaatcat tttctaaaac atcgacatga aaattaataa 360
 ctctttattg ntattagatt cgatgtaaga tatatgt 397

<210> 1263
 <211> 419
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (29)..(29)
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<220>
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 <222> (33)..(33)
 <223> n = unknown

<220>
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 <222> (304)..(304)
 <223> n = unknown

<220>
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 <222> (334)..(334)
 <223> n = unknown

<220>
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 <222> (377)..(377)
 <223> n = unknown

<400> 1263
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FC-8-C3.ST25.txt

tcaggctaac agtgaacatg aacagacgta aggagaaaaa caattttact tgcggaggac	120
tatgaggaat ggagacaatt accaaataac gaagggattg tataaggggtg aattaaggat	180
accgaagtgg ataggttaagg ttttcaggac tagttgtccc cgcttcctga ggctcatctc	240
catcacccctg cgtgtctgat gtcacagtgt taaagttatc tcgcagcaat tgcattatga	300
gagntgaatc tttatatgaa tcttcattta gggnatcgag ctctgctatc gcatcatcga	360
atgcctgttt cgcaagntgc acgctttatc aggtgaattt agtatttcat aataaaaata	419

<210> 1264
 <211> 425
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (24)..(24)
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 <222> (35)..(35)
 <223> n = unknown

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 <222> (49)..(49)
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 <223> n = unknown

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 <223> n = unknown

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 <222> (382)..(382)
 <223> n = unknown

<220>
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 <222> (393)..(393)
 <223> n = unknown

<220>
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 <222> (395)..(395)
 <223> n = unknown

<400> 1264
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aataatatat gnattggatt aacttaagnt aattctccct cgcantttta tactatagta 120

FC-8-C3.ST25.txt

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accagaaaca aaaatcagag nggggaaaat gnaaattcat atantttggg naaaatacaa      180
tcaagatata acagggccac aatattatta aaataccgtn tttgngacga aacctaaagt      240
gnngtcagaa tataaaaaac aataatattt ataccttcaa anggatgctt tgaaaaaaaag      300
cattcgaaga ttttgnttaa atattttggg aagtccacat ttatgnttgg tcggtcaatt      360
aaattatggt tcttttgcaa gnaagaatat gtngnagata ttgcacaaaa ttagtatatt      420
ttatg                                         425
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<210> 1265
<211> 500
<212> DNA
<213> Ctenocephalides felis
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<223> n = unknown
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<223> n = unknown
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<222> (407)..(407)
<223> n = unknown
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<223> n = unknown
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<222> (481)..(481)
<223> n = unknown
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caaaactcga tagttacgcg actcataaat anttatttaa acaatgaatg nnaaaaaaaaa      60
gnaaagtttg taaatataat atatgtattg gattaactta gttaattctc cctcgcantt      120
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FC-8-C3.ST25.txt

ttatactata gtaaccagaa acaaaaatca gagtgtgtaa aatgtaaatt catatatattt	180
tggtaaaaat acaatcaaga tataacagtg ccacaatatt attaaaatac gtatttgtga	240
cgaaacctaa agtgtagtca gaatatataaa aacaataata tttatacctt caaatgtatg	300
ctttgaaaaa aagcattcga agatttttgtt taaatatattt gttaagtcca catttatgtt	360
tgtcgttcaa ttaaattatg tttcttttgc aagtaagatt atgttgnaga tattgcacaa	420
aattagtata ttttatgnaa ttttaagcat attgggtattt tttggaaaat cggactattg	480
ncaccaaaat taaataaatg	500

<210> 1266
 <211> 227
 <212> DNA
 <213> Ctenocephalides felis

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agcagttgtg gatgggctta tttcatcatt cgttgactgt ggttggtcgt ctttaacgtc	120
actgtctggg aaagcaatag taaaagtatg attatgagtg aatatttatt tgctcgacta	180
ttattattat cttactaagc aaacgcctgg gcccagggtc agtctgt	227

<210> 1267
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (54)..(54)
 <223> n = unknown

<220>
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 <223> n = unknown

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FC-8-C3.ST25.txt

tcagaaatta ctatagttaa tgacattttg tttgtgctcc ttacataaaa tacaatttta	120
tacatttttaa tttttatata tattttttat atttaattgc acagatcatt tgngtattta	180
ttatattaat tgactacttt atgataattt gaatcctaatt tagtctattc aagattgttt	240
tcctgggttta agccttactt agcaatctca cttttgcatt cttcgccggg tggcgtgggt	300
atgcatcgca actccgnttt atcaaagtgc aagccatttg gacaatcata atgttttatt	360
tgccatttgt tgttaaccaa gaaacattga taatattttt tacaatctct tcgatcggaa	420
aaaacgtttt cacttttgca tgcagtctga cgagaaagat tttgggcaaa ccattcgggtg	480
gcgcgcttca catttnag	498

<210> 1268
 <211> 306
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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tgagtgaatt aataaaataa gatttttaaaa atttatatag tatcaacacg aatatcaaaa	180
aaagntttta taggtgttct attatacgaa gcactcgaaa cattaaatct ttataaatga	240
atgttgatcc tgtagattac attggagagt agactttgga agtattttat gctcaacaat	300
tttagt	306

<210> 1269
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

<220>
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 <222> (65)..(65)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (238)..(238)
 <223> n = unknown

<220>
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 <223> n = unknown

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 <222> (381)..(381)
 <223> n = unknown

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 ttatatttct aatctaatat ccccaaattt caactaagaa gttaaatacct ttgccagtct 180
 gagaagatag gagtaaagggt acatttttttc agccaactcc accattgaca agagnggnat 240
 agcctccttg gccatttaca tattgggtcca gggcacgaac acagctaatt gngcgattat 300
 ttctcgatcc cactgggtgga aatgacacct ctctagtagc tttcctgaaa aaggttccac 360
 tcttggattg gacttgacag n 381

<210> 1270
 <211> 314
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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<222> (42)..(42)
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<220>
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 <222> (49)..(49)
 <223> n = unknown

<220>
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 <222> (51)..(51)
 <223> n = unknown

<220>
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 <222> (64)..(64)
 <223> n = unknown

<220>
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 <222> (164)..(164)
 <223> n = unknown

<220>
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 <222> (223)..(223)
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<220>
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 <223> n = unknown

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 aatncttggc tataagttcg ttgcatgttt tgcaagtgat tngtttatng nattttattgg 60
 gcgnggcata ttttacatga atcaagagtt tgcattacaa tcgttaccct gatctgattt 120
 gcatcctcga gtaatgacac ctttttcaat ttttgaatag cagncgtcct ttggattcat 180
 acaaactttg gtcttcgctt tcctgcatct ttgaaacatt cgnttccttag ttctggaagt 240
 ttttgaacgt tacaaccga tttctcgcaa cacatTTTTT ctcggntagn cgagtcacaa 300
 ctttcttttaa ccgt 314

<210> 1271
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>

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 <223> n = unknown

<220>
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 <222> (198)..(198)
 <223> n = unknown

<220>
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 <222> (385)..(385)
 <223> n = unknown

<220>
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 <222> (417)..(417)
 <223> n = unknown

<220>
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 <222> (420)..(420)
 <223> n = unknown

<220>
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 <222> (445)..(446)
 <223> n = unknown

<220>
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 <222> (448)..(448)
 <223> n = unknown

<400> 1271
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 gctcaagatt gtagaactga gtttgatcta cacaattttt gcctaaaagg ttcgactact 180
 cagaaagcag ccacccgnga ttccataccg cctcacattt gacaataaaa tatatgtata 240
 atgttaaata ggattttaat ggaaaaaagc caatttaata ctttagcatt atgaatätgt 300
 atttccaaat tattctataa cgaatttaac ctaaaataca agaaatacat attcataaat 360
 atacatatat tttaatcaaa aaggnaactt gtgcaaaaat gaaattcaaa tacactnggn 420
 tttgctaatt taaacgggtt taganntntc tctttttttg gtatgggggg ttattgctta 480
 atttacaaca atttcttgat 500

<210> 1272
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (12)..(12)
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<220>
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 <222> (87)..(87)
 <223> n = unknown

<220>
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 <222> (214)..(214)
 <223> n = unknown

<220>
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 <222> (223)..(225)
 <223> n = unknown

<220>
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 <222> (240)..(240)
 <223> n = unknown

<220>
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 <222> (280)..(280)
 <223> n = unknown

<400> 1272
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 aaatcagaac aatgactaaa ataaagntac aaaggatttc tcaaggtctg gtgagacgtt 120
 ccacaaaaaat tctagaaatc agaacaatgg accggaatat ccaaaagacc catttcagat 180
 atactttttag cgggcaactg tcgcaaaatc tggngaacaa tgnnnctttt taaaacaagn 240
 tggtccttca gtatgtgcga tcacaacata agtagctggn tgcctcctcc tccttttccc 300
 atatttccca gtttttccag ctctggatc cactaaacca gttgaatttt ctggttccac 360
 aaaaacaact tcttgaaaca ataagtaaac catccttga ttcagtattt tccttagtgc 420
 ttcagatgct gaagacgatt cccatcctga tgtcctggac aattgatctt catccttga 480
 tttggtttca cttctggaaa 500

<210> 1273
 <211> 470
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<222> (34)..(35)
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<220>
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 <222> (119)..(119)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (401)..(401)
 <223> n = unknown

<400> 1273
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 catgcaaaag tgaaaacgtt ttttccgac gaagagattg taaaaaatat tatcaatgnt 120
 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccgcgcga agaatgcaa agtgagattg 240
 ctaagtaagg cttaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaatata caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt naggagcaca aacaaaatgt 420
 cattaactat agtaatttct gattatttaa aatatataaa tatagaagct 470

<210> 1274
 <211> 347
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (11)..(11)
 <223> n = unknown

<220>
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 <222> (199)..(199)
 <223> n = unknown

<220>
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 <222> (250)..(250)
 <223> n = unknown

<220>
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 <222> (338)..(338)
 <223> n = unknown

<400> 1274
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tttggaggta aaatatgggtt ggcaatggat ataatcattg gatatagaag gctttttatc 120
aagcttttta taaatttcga taaccacaag atattggata aaataaaatt accatgtgac 180
ccggcaaatg cttggaggnc cctgcataaa tatatttgac cccattcgct gctgatattg 240
cacactttgn tggggattca tccgttaggg attaagaaat gggcttgatg taggtatggg 300
ttcccatgcc atttgtaata tgcaatccat ttaaagtntg agacatt 347

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<210> 1275
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<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

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<220>
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<222> (158)..(158)
<223> n = unknown

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<220>
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<222> (350)..(350)
<223> n = unknown

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<220>
<221> misc_feature
<222> (385)..(385)
<223> n = unknown

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<220>
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<222> (396)..(396)
<223> n = unknown

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<220>
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<222> (406)..(406)
<223> n = unknown

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<400> 1275
cgatcggttg caatttgtca ttgcaccaag cataaattga tgggtccggg gcataggnta 60
taaaagaatt gggatttgtg catttcatga cggngcaatc agcttctgac gatttctttt 120
tacacatatt tttagaatga tcatatacat agttagnggg gcattcgaaa acctgacctt 180

```

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taccatcttt gcagaataaa gtatcttggtg cagtctttcg gatctggctg atatacctaca	240
accgcgcatg tagtttctgc cgtcttacag ttttccccag gttttgatga gcacatatca	300
tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgttgn aattgggggtt	360
tcttgtcagc gcacaacttc aaagnagaac aatcngaca aaatgntccc aactgcttat	420
tagt	424

<210> 1276
 <211> 448
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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<220>
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 <222> (226)..(226)
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<220>
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 <222> (373)..(373)
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<220>
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 <222> (385)..(385)
 <223> n = unknown

<400> 1276

FC-8-C3.ST25.txt

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catagtaa at nngtatttcn gggtttgcaa atatggaaac taccatccct atattatata      120
taattggata tttcctgaa ctgntttatt tgaatttatt ttaaacacaa actttaatta      180
tattcaaata atgatggacg tgatttcata tatccctaaa ctttgnatca gagtttgaga      240
gaagcctagc catagtgtat agaaaattat gtgtaggtgt ataattaaga ttgcaggagt      300
caaatatata aagcattgat acaaattata cattccaatt ttctgtaa ac cgcgttcttt      360
ggttgattat ggnttatatc acaanttatg aatcatgtaa attaattgta aatttgaaat      420
gtatctccga tgtaaatgta ttaacaaa                                         448
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<210> 1277
<211> 393
<212> DNA
<213> Ctenocephalides felis
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<220>
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<223> n = unknown
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<222> (90)..(90)
<223> n = unknown
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<222> (100)..(100)
<223> n = unknown
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<222> (121)..(121)
<223> n = unknown
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<222> (129)..(129)
<223> n = unknown
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 <222> (322)..(322)
 <223> n = unknown

<220>
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 <222> (375)..(375)
 <223> n = unknown

<220>
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 <222> (378)..(378)
 <223> n = unknown

<400> 1277
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 aataatcaga aattactata gttaatgacn ttttgtttgn gctccttaca taaaatacaa 120
 ntttatacnt ttttaatnttt atacatatatt tttatatntta attgcacaga tcatttgngt 180
 atttattata ttaattgact actttatgat aatttgaatc ctaattagtc tattcaagat 240
 tgttttctctg gttaaagcct tacttagcaa tctcactttt gcattcttcg ccgggggggcg 300
 nggggtatgca tcgcaactcc gntttatcaa agtgcaagcc atttggacaa tcataatggt 360
 ttatttgcca tttgntgnta accaagaaac att 393

<210> 1278
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (60)..(60)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (214)..(214)
 <223> n = unknown

<400> 1278
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 gctaaatnttt gttcctgttc tagtttagatt acctcaaaaa tgtgtttatat taatnttctt 120
 taacatttga atgaaatatt agctgtttat ttattntaat atattcatat gatntntaat 180
 atagaacatt ttgagtaatc tagattttaa atgntatntt ttgtttctag ttttaaata 240

```

tcttaaatac ggattagttt aagttaaaca taaagtgaat cctatatagg tgccagtatc      300
aacgtgaaaa agcacacttt atctatgtgt aatttagaga tgaaataata tttttgtgga      360
agtgggcagt taattttata acagacattc ctgtttaatt ttaactttta tgatttacat      420
aaaaattgat tgataggaag cattattcaa gtcaattatt accattctta ccgtgatgtt      480
tgaaaacttt agtcataa ,                                                    498

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<210> 1279
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<220>
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<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<222> (233)..(233)
<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<222> (300)..(300)
<223> n = unknown

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<220>
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<222> (302)..(302)
<223> n = unknown

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<220>
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<222> (335)..(335)
<223> n = unknown

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<220>
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<222> (350)..(350)
<223> n = unknown

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<220>

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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (425)..(425)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (436)..(436)
 <223> n = unknown

<220>
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 <222> (448)..(448)
 <223> n = unknown

<220>
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 <222> (474)..(474)
 <223> n = unknown

<220>
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 <222> (488)..(488)
 <223> n = unknown

<400> 1279
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 naaaaaatcat aattcgacaa ttttacttgt atttatctta aacatattta cagtatttcc 120
 tcaaaaactg ttaaatacaa taagttaact taaatacatg gatgttctga gaatgtggat 180
 gagctcaaga ttgtagaact gagtttgatc tacacaattt ttgcctaaaa ggntcgacta 240
 ctcagaaagc agccaccogt gattccatac cgcttnacat ttgacaataa aatatatgtn 300
 tnatgttaaa taggatttta atggaaaaaa gccantttaa tacttttagcn ttatgaatat 360
 gtattttcaa attattctat nacgaattta acctaaaata caagaaatac atattcatna 420
 atatncntat attttnatac aaaaaggnga cttgtgccaa aatgaaaatc aanacactt 480
 gggtttgnta aattaaatg 500

<210> 1280
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1280
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 catgcaaaaag tgaaaacggt ttttccgac gaagagattg taaaaaatat tatcaatggt 120
 tcttgggttaa caacaaatgg caaataagac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccgcgga agaatgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaatata caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaaa aattaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420
 cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480
 acatgtatct ttttaata 498

<210> 1281
 <211> 415
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (18)..(20)
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<220>
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 <222> (44)..(44)
 <223> n = unknown

<220>
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 <222> (51)..(51)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n = unknown

<220>
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 <222> (133)..(133)
 <223> n = unknown

<220>
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 <222> (216)..(216)

<223> n = unknown

<220>

<221> misc_feature

<222> (249)..(249)

<223> n = unknown

<220>

<221> misc_feature

<222> (402)..(402)

<223> n = unknown

<220>

<221> misc_feature

<222> (407)..(407)

<223> n = unknown

<400> 1281

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ttattttacac taaaaacaat ttatatttga attttcagac atagtatgat gaatttgagc 120

ttatgttctc tgntattggc cacattgata tattttattta tatacataat ttatgatatt 180

acagacattc gaatattgct ttaataaata aaatcnttat acataattgc taagtaataa 240

tacactatng gcaatatttc aataataagt ttaggccaaa catttaaatt ttgactgaat 300

ctgaataact ttaataatac agtaacaaac aatcaaaaata attaatTTTtg cagtacagtt 360

ataatgaaac aagacaatgg ggaactttat attttatatt gntatgnata tacac 415

<210> 1282

<211> 254

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (23)..(23)

<223> n = unknown

<220>

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<222> (133)..(133)

<223> n = unknown

<400> 1282

ccgggcaggt actaaaataa agntacaaag gattttctcaa ggtctgggtga gacgttccac 60

aaaaattcta gaaatcagaa caatgctttc aaaatacaaa tacacgtcct acaatatcac 120

cattcaacac ctncaacaat ttactatat catttactcc tcaaaattcg tcctagtagg 180

cttataaaca ccgacatcct tgtcctccga atggtagccc aaggaggcca attcgtccat 240

aacctcaaca ttgt 254

<210> 1283
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1283
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 catgcaaaaag tgaaaacggt ttttccgacg gaagagattg taaaaaatat tatcaatggt 120
 tcttggttaa caacaaatgg caaataagac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccggcgga agaatgcaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420
 cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480
 acatgttctt ttaataaa 498

<210> 1284
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (51)..(51)
 <223> n = unknown

<220>
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 <222> (209)..(209)
 <223> n = unknown

<220>
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 <222> (406)..(406)
 <223> n = unknown

<220>
 <221> misc_feature
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 <223> n = unknown

<220>
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 <222> (498)..(498)
 <223> n = unknown

<400> 1284

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gttcataaag cttctatatt tatatatatt aaataatcag aaattactat agttaatgac      120
attttgtttg tgctccttac ataaaataca attttataca ttttaatttt tatacatatt      180
ttttatatatt aattgcacag atcatttgng tatttattat attaattgac tactttatga      240
taatttgaat cctaattagt ctattcaaga ttgttttcct ggtttaagcc ttacttagca      300
atctcacttt tgcattcttc gccgggtggc gtgggtatgc atcgcaactc cgttttatca      360
aagtgcaagc catttggaca atcataatgt tttatttgcc atttgntgnt aaccaagaaa      420
cattgataat attttttaca atctcttcga tcggaaaaaa cgttttcact tttgcatgca      480
gttctgcacg agaaagantt                                         500

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<210> 1285
<211> 111
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (12)..(12)
<223> n = unknown

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<220>
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<222> (90)..(91)
<223> n = unknown

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<400> 1285
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attggtttta tataaatgtt tataagcgtn naaaaaaaaaa aaaaaaaaaa a          111

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<210> 1286
<211> 429
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (64)..(64)
<223> n = unknown

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<220>
<221> misc_feature
<222> (403)..(403)
<223> n = unknown

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<220>
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<222> (418)..(418)

<223> n = unknown

<400> 1286

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aacntgtttt cttgtttttac taaaaaatgt cgttatTTTT tcaatgaata ttgaaagtgt 120
ttccaaaaat ttctaagtta atttaattaa ttttttaatt atttttattc agatgttgtc 180
acacaaaact atttatatat catcatatTT attttgtata tattttctat gataaacctg 240
taaattatTT ataaaaagaa gccaaaaaaa agaatttgta gtgaaaaaat atttcaaatt 300
tgaaacacaa actgaatggt ctgaatgtta attatatgtg attaaaaata taaacattta 360
ttgaaatatt aaaaaaaaaac aatacaaatt atggttagatt ggnaaaaaaaa aaaaaanaa 420
aaaaaaaaa 429

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<210> 1287

<211> 498

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (373)..(373)

<223> n = unknown

<400> 1287

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tgaatgatta aatgtaatag attaatcaaa ttttagatga ttaaaattgt tctattacta 120
caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat 180
agattttgaa taataacata gaaattatac tttttttttg atgactctaa taaaaaaaaat 240
gtataaatgg ccatgcctga tatatTTTTg ataaccttaa tgaaaaaatg tttaaatggc 300
catgtctgaa aagatttcta tgtgtatTTT tttgttaaca ttttattggt gaatggataa 360
aagataaata canttttata agctgtttgg ataaattaat tttgaataaa tccataatca 420
tagaatatgt taagtagcaa attaaaatat ggaccacaaa ccacaaaatg tatacgaaat 480
ataacttata tgatatat 498

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<210> 1288

<211> 336

<212> DNA

<213> Ctenocephalides felis

<400> 1288

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caagaacact atacgtgcga aaactgagaa taaagctccc gctaaaaata ctgttctact 60

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FC-8-C3.ST25.txt

gctgacttta acacaagcag tcattcctgc caaaaacatc cttgatgaca aatctgcagc	120
tgctgcggca gatacacaaa ttgctgtatc agtctttgac cagcctaatag caaacagata	180
cattgtttga atagcagaaa atgctatgtc ggagtatagt gcaaagtgtca ctccaataac	240
catattttaca taaatccagt cttttaacaa agtcaaattcc aaaaagtcaa cgataacttg	300
caattttccc ctagatttct tctctaccgg tgcagt	336

<210> 1289
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 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

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 <222> (442)..(442)
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gcatgcaaaa gtgaaaacgt tttttccgat cgaagagatt gtaaaaaata ttatcaatgt	120
ttcttggtta acaacaaatg gcaaataaga cattatgatt gtccaaatgg cttgcacttt	180
gataaaacgg agttgcatg catacccacg ccacccggcg aagaatgcaa aagtgcagatt	240
gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat	300
cataaagtag tcaattaata taataaatat acaaattgatc tgtgcaatta aatataaaaa	360
atatgtataa aaattaaaat gtataaaatt gnttttatgt aaggagcaca aacaaaatgn	420
cattaactat agtaatttct gnttatataa aatatataaa tatagaagct ttatgaaatt	480
catgtttctt ttaataaaaa	500

<210> 1290
 <211> 386
 <212> DNA
 <213> Ctenocephalides felis

<400> 1290

FC-8-C3.ST25.txt

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cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggaagt      60
gttggttgaa gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta      120
atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat      180
cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt      240
cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattacaa agaaaattca      300
gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt      360
tattgatttc gatgtaagat atatgt                                           386

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<210> 1291
<211> 255
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (57)..(58)
<223> n = unknown

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gtgccgtaac attgtttgga taagtgagtg cgttgctcaa aagcacagga ccaagattga      180
caactacatt ccaatatttt aattaatttg ttgttaattt tgataacggt gatttttatcc      240
agatgtttgt tgtgt                                                         255

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<210> 1292
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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tgtgaatgga gaaactgtga acaatgctaa agcaatagaa gaattagata aatgcaccaa      180
ggaaattaac gaaatacttc gtgagttaga cgatacgccg gcaacaaatt tggaagttca      240
gaatgacgac actaacaaca atcaaatgcc cgcttgggtcc tcattttaca gaagcgtaac      300

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FC-8-C3.ST25.txt

gactgtctct gatggaaaac atcgtgcaga gatcaataat gtccaattga attctagtcc 360
 tgagaatagt cttgaaattg atctaaatgc aagcacctta aagaactaaa gaaatagact 420
 tcactttaat ttaaagggtt ctaacaatcc tattattatc ttatagtata tatgntacag 480
 aaacatcaat tttatata 498

<210> 1293
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (48)..(48)
 <223> n = unknown

<220>
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 <222> (96)..(96)
 <223> n = unknown

<400> 1293
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 atgggtgattt atttcattta aaggcaatgt atcggnttaa tggttttaaa tttatttttt 120
 atttaatat aaatagatta attaaaaatc tataaagtga taagaggcct gatatccata 180
 atattattga atattaagaa gtgacggata gatctgataa tgtagtagtt gttatagaca 240
 atttacttaa taattatgag ttgcatcatt atgcaatgat ttatcactat tatttattca 300
 acattttatt taactgcttg caacttttaa taaaacgcat tttttattgt ttttaagtata 360
 aatcttatta gggcacaata tgaaaataaa aataagaact ttatacaaaa gcttttttta 420
 tacaatatgc ttcttgcgct attaagttaa gaaattttat ttatgcttgt aaaaaaacia 480
 taaatgcttt atttatca 498

<210> 1294
 <211> 258
 <212> DNA
 <213> Ctenocephalides felis

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<220>
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<222> (83)..(83)
 <223> n = unknown

<220>
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 <223> n = unknown

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 cggctctattc tgcattcatg cngcgcacc tncaacacat atacgggggg taacagaagt 120
 gctctgcaga gaactagttg ccatgtctac agttccaggg gctcaagaac taaggagagc 180
 aaaaacacaa cttcaatcaa tggtattgat gaatttggaa gctcgtcctg tgggtatttga 240
 agatataggt agacaagt 258

<210> 1295
 <211> 362
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (28)..(28)
 <223> n = unknown

<220>
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 <222> (30)..(30)
 <223> n = unknown

<220>
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 <222> (66)..(67)
 <223> n = unknown

<220>
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 <222> (69)..(69)
 <223> n = unknown

<220>
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 <223> n = unknown

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 <222> (246)..(246)
 <223> n = unknown

<220>
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<223> n = unknown

<220>

<221> misc_feature

<222> (346)..(346)

<223> n = unknown

<220>

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<221> misc_feature

<222> (357)..(357)

<223> n = unknown

<400> 1295

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aaaggnngna ttaaataac aactagcagc agccagagtt tcaactgatg ttggcattaa 120

agtaggagaa gccctcagga atgtcgtgga acttcgntta gatttgggaa aatgttcttc 180

agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg 240

catcgngtga aattgtaact tgaaataatt tttcttaact attagnntta tagatgaaca 300

aatacataat ctaataaacc agcaagtga ctcaaaaaaa aaaaanttan naaaaanaaa 360

aa 362

<210> 1296

<211> 148

<212> DNA

<213> Ctenocephalides felis

<400> 1296

atgaaattat gtgttttgaa atttttccga ttttgtaaatt aagacatgct tttgttttga 60

tattttaaat gtgttcattg ggattactgg ctttttttac aaactcatat gcttgatagc 120

catatacata cacataattt gcacatgt 148

<210> 1297

<211> 203

<212> DNA

<213> Ctenocephalides felis

<400> 1297

tatttttact aacagttgca tttatttggt aaataataaa ttttaattaa attaataaaa 60

aaaaatctac gtcacaaatt cgatgtcgat acaacgttgt cgcgatatcg catgtttagt 120

aactttgaaa cttttataac ttttaaacgg tttgtttaat ttgagtgaat tatttggcaa 180

atttcttgga aattaaataa tgt 203

<210> 1298
 <211> 203
 <212> DNA
 <213> Ctenocephalides felis

<400> 1298
 tattttttact aacagttgca tttatttggt aaataataaa ttttaattaa attaataaaa 60
 aaaaatctac gtcacaaatt cgatgtcgat acaacgttgt cgcgatatcg catgttttagt 120
 aactttgaaa cttttataac ttttaaacgg tttgtttaat ttgagtgaaa tattttggcaa 180
 atttcttgga aattaaataa tgt 203

<210> 1299
 <211> 389
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (70)..(70)
 <223> n = unknown

<400> 1299
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 atgtaaatgg ccaaggaggc tatgccactc ttgtcaatgg tggagttggc tggaaaaatg 180
 taactttact cctatcttct cagactggca aaggatttaa cttcttagtt gaaatttggg 240
 gatattagat tagaaatata atgaaaatgt gaatatagaa aaaaaattaa atatacaata 300
 gtatttttaa tttggcacac atctatctat gcatccataa ataaaggta tatacagcat 360
 tcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 389

<210> 1300
 <211> 192
 <212> DNA
 <213> Ctenocephalides felis

<400> 1300
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 aatgtgcagc tggtacaatc caacgtttgt tcaagatgga accaccacag aaatgctcca 120
 ggttctgate tctcaatgat acttggtacg cgaacctatg caaactggaa ttaaagctgt 180
 tgattctctt gt 192

<210> 1301
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<222> (25)..(25)
<223> n = unknown

<220>
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<222> (28)..(28)
<223> n = unknown

<220>
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<222> (33)..(33)
<223> n = unknown

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<222> (53)..(53)
<223> n = unknown

<220>
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<222> (68)..(68)
<223> n = unknown

<220>
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<222> (92)..(92)
<223> n = unknown

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<223> n = unknown

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<222> (214)..(214)
<223> n = unknown

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<222> (240)..(240)
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<223> n = unknown

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<223> n = unknown

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<222> (393)..(393)

<223> n = unknown

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<222> (396)..(396)

<223> n = unknown

<220>

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<222> (405)..(405)

<223> n = unknown

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<222> (486)..(486)

<223> n = unknown

<400> 1301

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tttcattata tttctaattc aatatcccca aatttcaact aanaagttaa atcctttgcc 180

agtctgagaa gataggagta aagttacatt tttncagcca actccaccat tgacaagagn 240

ggcatagcct ccttggccat ttacatattg gtccagggca cgaacacagc taattgtgcg 300

attattttct gatccactg gnggaaatga cacctctcta gtagctttcc tgaaaaagtt 360

tccactcttg gattggactt gacggncctc ggncgngacc acgtngagcg ggcgccgggc 420

aggtcattga attgatgtaa catttaatga aagcagttca gtagaccgat caggccactt 480

tgagcnttca taaaatgcct 500

<210> 1302

<211> 386

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (364)..(364)

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<221> misc_feature

<222> (384)..(385)

<223> n = unknown

<400> 1302

FC-8-C3.ST25.txt

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ccaccagtgg gatcgagaaa taatcgacaca attagctgtg ttcgtgccct ggaccaatat	120
gtaaatggcc aaggaggcta tgccactctt gtcaatgggtg gagttggctg gaaaaatgta	180
actttactcc tatcttctca gactggcaaa ggatttaact tcttagttga aatttgggga	240
tattagatta gaaatataat gaaaatgtga atatagaaaa aaattaaata tacaatagta	300
ttttaaatTTT ggcacacatc tatctatgca tccataaata aaggttatat acagcattca	360
aaanaaaaaa aaaaaaaaaa aaanna	386

<210> 1303
 <211> 455
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

<220>
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 <222> (36)..(36)
 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

<220>
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 <222> (208)..(209)
 <223> n = unknown

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 <222> (238)..(238)
 <223> n = unknown

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<223> n = unknown

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<222> (338)..(338)

<223> n = unknown

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<223> n = unknown

<400> 1303

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taatccaaga gcttatgaaa ttgtatttat cttttatcca ttcagcaata aaaggtaata	180
aaaaatacac atagaaatct tttcaggnnt ggccatttat acattttttt attacagnca	240
tcaaaaaaat agtatttnta tgttattttt caaaatctat acattgataa gggtagaaa	300
tttgttcggg taattttcag gctgagggtg ctactgtngt aatagaacaa ttttaataat	360
ctaaaattng attaattctat tacatttaat cattcaatag taaatttcct tttggaattc	420
gaatggtgcc attacgggaa acaaagtctc ctcgt	455

<210> 1304

<211> 386

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (65)..(65)

<223> n = unknown

<400> 1304

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gttgntggaa gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta	120
atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat	180
cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt	240
cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcgattacaa agaaaattca	300
gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt	360
tattagattc gatgtaagat atatgt	386

<210> 1305

<211> 498

<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (3)..(3)
<223> n = unknown

<220>
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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<222> (128)..(128)
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<223> n = unknown

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<223> n = unknown

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<222> (343)..(343)
<223> n = unknown

<220>
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 <222> (392)..(392)
 <223> n = unknown

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 <222> (406)..(406)
 <223> n = unknown

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 <222> (444)..(444)
 <223> n = unknown

<400> 1305
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 ggntgcaaaa gtgaaaacgt tttttccnat cgaagagatt gnaaaaaata ttatcaatgn 120
 ttcttggnata acaacaaatg gcaataaaaa cattatgatt gnccaaatgg cttgcacttt 180
 gataaaacgg agntgcatg cataccacg ccacccggcg aagaatgcaa aagtgagatt 240
 gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat 300
 cataaagtag tcaattaata taataaatac acaaatgac tgngcaatta aatataaaaa 360
 atatgtataa aaattaaaat gtataaaatt gnattttgtg taaggngcac aaacaaaatg 420
 gcattaacta tagtaatttc tgantattta aaatatataa atatagaagc tttatgaaat 480
 taaagaaaaa aaaaaaaa 498

<210> 1306
 <211> 322
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (58)..(58)
 <223> n = unknown

<220>
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 <222> (61)..(61)
 <223> n = unknown

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 naaatatatt acatcactcg taaggcttgt catcgtaaaa gtaaacatat aatttattat 120
 tcaccaatca gttcatttat cataacaaag acatatataa taagatttta gtttaattat 180
 aaaaaatgct aaaaaatatt tttaacaaaa acgcaataga attatttatg aattattact 240

taacattttca aaaggtgcat atttggtgat aaataaacia atgcattaga gataagcaaa 300
 tattttatgaa aagtatgaac ag 322

<210> 1307
 <211> 499
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (42)..(42)
 <223> n = unknown

<220>
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 <222> (49)..(49)
 <223> n = unknown

<400> 1307
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 atgatcaaat tttaacagtt aaattgaatt tattagatta tataaaaactg aaaattatca 120
 tggaatgtaa tttaaaatca tacagaaaaa aacaaatata ataataaaat ttgataatat 180
 ttcaacaact tgtagctagt acggcagaat actgtttcac aacaacatac tttcatttta 240
 acaatagaat cattatttta taagtatcta caatttcttt aaacattaaa acatgtcttc 300
 atgttttctt tacattaagg atgtgggttag taccagacat cccaaaaact gatttaatat 360
 tctttacatg gagaagacat catataaagg gaaataaaat atggtattga tggaaacttt 420
 agtaagattt ttaatgacga gaatcacgtg ggtaaaactc ggcgagggtg gaagcgggta 480
 ttctcttcaa catctcctt 499

<210> 1308
 <211> 421
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (8)..(8)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n = unknown

<400> 1308

FC-8-C3.ST25.txt

caatcggntg caacttgtca ttgcaccaag cataaattga tgggtccggt gcataggtta	60
taaaagaatt gggatttgtg catttcatga cggngcaatc agcttctgac gatttctttt	120
tacacatatt tttagaatga tcatatacat agttagggtg gcattcgaaa acctgacctt	180
taccatcttt gcagaataag tatcttgtgc agtctttcgg atatggctga taccctacaa	240
ccgcgcgatgt agtttctgcc gcttacagtt tttccagggt ttgatgagca catatcatct	300
acacaaaatg gagcatcgga atttgagtct ctgcaattga ttgttgtaat tggggtttct	360
tgtcagcgca caacttcaa gtagaacaat cgtgacaaaa tgttccaac tgcttattag	420
t	421

<210> 1309
 <211> 328
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (64)..(64)
 <223> n = unknown

<400> 1309	
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tttcaaaatt tgttcaaggc cctcttctcc ctttctctcg taagcttttt taagtatctc	180
ataagtcaat cttttttttg acattttgcg aagtgtttca atggttacga ctgatttaag	240
agggtgccaat aatatttagct catcagccat tttttgcatt tccaaaatat catcgataat	300
tctgagtttg tttgaaagggt gcttcagt	328

<210> 1310
 <211> 495
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (65)..(65)
 <223> n = unknown

<400> 1310	
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atgcnaaagt gaaaacgttt tttccgatcg aagagattgt aaaaaatatt atcaatgttt	120
cttggttaac aacaaatggc aaataaaaaca ttatgattgt ccaaattggct tgcactttga	180

FC-8-C3.ST25.txt

taaaacggag ttgcgatgca tacccacgcc acccggcgaa gaatgcaaaa gtgagattgc	240
taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca	300
taaagtagtc aattaatata ataaatcaca aatgatctgt gcaattaaat ataaaaaata	360
tgtataaaaa ttaaaatgta taaaattgta ttttatgtaa ggagcacaaa caaatgtca	420
ttaactatag taatttctga ttatttaaaa tatataaata tagaagcttt atgaaattca	480
tgtatctttt taata	495

<210> 1311
 <211> 386
 <212> DNA
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<220>
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 <223> n = unknown

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tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct	180
cgttcttcta tccacttgct tctgataaat gttcggataa aagaatgcaa tcaactcaca	240
tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat	300
tctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatat	360
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 tacctggctg tcaaaccaaa gaacgccaca ggcgacaaa atacaacgat tgggcgaatg 180
 acgatcaatc ctcagctgtc gatgatagaa aggcacgaag cggctttgtc cgaaatttcg 240
 aaacaaattc gatattataa cacgaaacaa acagtaatca atgaagaaat atttggtcca 300
 ttgcagaatg attccgtcgt cattgttg 328

<210> 1313
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catcctttgt agcctgtctt tgtgaatcat taaaataaag caggt 165

<210> 1315
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cattaaaatt attttgttct ttctgttaga tgaattgtgt gttanattct gtgctgtgat 180
ttacatacan nttataacag attgaaatgc aatctataaa agcattatct caataatcat 240
tatatagtan ttttgatttt gactatttgc agataaattc attacatttt aaaatgttta 300
ctttattaag ctatacaaac cttgaacttt acactttgta tttctagaac ataagtatta 360
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agtgatggt 129

<210> 1317

<211> 276

<212> DNA

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tttaacttta attgcttcaa aacatggaac acgatgtgct aaatgtggcc aaacgttttg 180

ttcaaaataa tccatatcta catctaagtt atcgactggc ggttctttgt caggatctgg 240

tgaacgacca cagatatatc tgccacctaa tccatc 276

<210> 1318

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<212> DNA

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 atgcacactt aacactacca gcaattttgt ctcagcataa aatttcataa atagaggagc 180
 tnaaaaagaa caaaataacc ataatatagt cattaacatt aacaaaaata taatattatn 240
 tattaataag taaagcaaat ataatctttg aaaaatattc ttacacacac tcacatatat 300
 atgcctttgc atagactccg aatggagtcg agatcaaaat aataacatgg agcatcatac 360
 aactcaaag acaaatagt ataataataa tatgcgtgtt aaatatcatt cattcatttn 420
 tttttttttt ttattgccga ttattcgaga gccaaataat aaaaattaaa ttattcaata 480
 ttaaaatata aaatgnaaat 500

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tttaattgca gtgtatcata ttatagnttg naggtggtat attttatttg taaattgggtg 180

ntcatatttc tcaaacgatt gtttatgtat tacacagtat taaaataaac cttggatgca 240

ataattgtta taacaacatt gttgttagta ataaaatttt atcaatggat tattanaaaaa 300

aaaaaaaaa ngaanaattg gaaaaataaa aaaaaaaaaa 340

<210> 1320

<211> 310

<212> DNA

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gaacctgggt ttaccacaaa gaccagaaca tatattaaca gattgtatgc accgtcacat 180

caaaagacgg tgacttcttt ttnaaaagca atggtgtcga agattcttca gcagaagttc 240

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attttgatgt 310

<210> 1321

<211> 157

<212> DNA

<213> Ctenocephalides felis

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ggagacttta tccacagggc cttttgttat cagaagt 157

<210> 1322

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<212> DNA

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tttcaaaatt tgttcaaggc cctcttctcc ctttccttcg taagcttttt taagtatctc 180

ataagtcaat cttttttttg acatttttgcg aagtgtttca atgggttacga ctgatttaag 240

aggtgccaat aatattagct catcagccat tttttgcatt tccaaaatat catcgataat 300

tctgagtttg tttgaaagtt gcttcagt 328

<210> 1323
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 atggaatgta atttaaaatc atacagaaaa aaacaaatat aataataaaa tttgataata 180
 tttcaacaac ttgtagctag tacggnagaa tactgtttca caacaacata ctttcatttt 240
 aacaatagaa tcattatttt ataagtatct acaatttctt taaacattaa aacatgtctt 300
 catgttttcc ttacattaag gatgnnggta gtaccagaca tcccaaaaac tgatttaata 360
 ttctttacat ggagaagaca tcatataaag ggaaataaaa tatggnttga tggaaacttt 420
 agtaagattt ttaatgacga gaatcacgtg ggtaaaaactc ggcgagggtg gaagcggggt 480
 tctcttcaca tctccttg 498

<210> 1324
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aattnctatn gttaatgacn ttttgnttgn gtccttaca taaaatacan ntttatacnt      180
tttaattttt atacatattn tttatattaa ttgcacanat cattctgngt atttattata      240
ttaattgact actttatgat aatttgaatc ctaattagtc tattcaagat tgttttcctg      300
gtttaagcct tacttagcaa tctcactttt gcntttcttcg c                          341

<210> 1325
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 ggncgtatnt gtagactttg atacaccttt tttnggtaag ctccanaaca cctgatccct 180
 gccgaatacg tgagcttcag ttagcgtttc cggttaacttt tgggtgtaaag tttccggcaa 240
 gaacattncg gaagtcgcmc ccaccatcat nattacggaa agtacagcgt acgggtatnt 300
 ggcgtcatat gtggttccca agtatacaat gtatgggcct aatactccta atgcatttga 360

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aactatngtt ncaatggaaa ttctgtctg cctcacacag gttggatatg tttncattgc 420
 ttgcagattc acacataaaa cgtgatgctt atgtnaaatt ttattccacg gttacagnga 480
 taccaaattc tggagggatt 500

<210> 1326
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agttacattt ttccagccaa ctccaccatt gacaagagtg gcatagcctc cttgaccatt      180
tacatattgg tccagggcac gaacacagct aattgngcga ttatttnttg aaccactgg      240
nggaaatgac acctntntag taactttcct gaaaaagctt ccacttttgg attggacttg      300
acggt                                           305

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<210> 1327
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tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg      180
ataaaacgga gttgcatgac ataccacgac caccggcgca agaatgcaaa agtgagattg      240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc      300
ataaagtagt caattaatat aataaatcac aaatgatctg tgcaattaaa tataaaaaat      360
atgtataaaa attaaaatgt ataaaattgt attttatgta aggagcacia acaaaatgtc      420
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<210> 1328
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 tgtggatgag ctcaagattg tagaactgag tttgatctac acaatttttg cctaaaaggt 180
 tcgactactc agaaagcagc caccctgat tccataccgc ctcacatttg acaataaaat 240
 atatgtataa tgtaaataag gatttttaatg gaaaaaagcc aatttaatac ttttagcatta 300
 tgaatatgta tttccaaatt attctataac gaatttaacc taaaatacaa gaaatacata 360
 ttcataaata tacatatatt ttaatacaaa aaggtaactt gtgcaaaaat gaaattcaaa 420
 tcacttggtt ttgctaattt aaattgnttt tagatttttc tctnttttgn tatgggtggtt 480
 attgcttaat ttacaacaat 500

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 gtaacaaaag tagtaaaca atagaattag ttctaattta cttataccta aactaattca 180
 gataagttga gtanatcgcc attttctttt aatttaataa aaaaaattat gatgtattaa 240
 atatttcaca tattgttttt aaatgtttca gatatcttat acaagtttgt 290

<210> 1330
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<212> DNA
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 tgctctgtag aaccttttca attcctcata gtgctgggtct ctgaaacttc tggatgttgt 180
 ctgatataga agatgattga aatccaaagc tggnggattg naggtgcadc tttggaaadc 240
 taccaagatg cattgttcan gtagaccngt tgaattatat ttgaacatca aattgtgatt 300
 gcgcgtatcg cggnggcata ccacattctt ataaatgcgc gatgggtttac catagaccat 360
 gccaatctca gg 372

<210> 1331
 <211> 270
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<223> n = unknown

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gcatgagacc atcacgaata caagaattgg aagctttccc acagagttaa taatagcacc 180

tattatggga aatccaatcg catatccagc ttccaacatt aaagaatgca taaatgcctg 240

ttcttccatt gtgtctttac actcggtcgt 270

<210> 1332

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<212> DNA

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<223> n = unknown

<400> 1332

cgttatttat atttatattgt ttatacagaa agcactgttg tatgagggng tatctgaaat 60

caacacatnt natgtaagggt tactttattg taaaagttat tttatatgta atttttaata 120

```

acattaaaat tattttgttc tttctgtag atgaattgtg tgtagatct tgtgctgtga 180
ttacataca atttaataca gattgaaatg caatctataa aagcattatt tcaataatna 240
ttatatagta attttgattt tgactatttg cagataaatt cattacattt taaaatgttt 300
actttattaa gctatacaaa ccttgaactt tacactttgt atttctagaa cataangtat 360
taaataaatt gttaaaaata tttgnggcta gattttccta ttgctaattg tgtgt 415

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<210> 1333
<211> 0
<212> DNA
<213> Ctenocephalides felis

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<400> 1333
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<210> 1334
<211> 313
<212> DNA
<213> Ctenocephalides felis

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<400> 1334
aattcttggc tataagttcg ttgcatgtt tgcaagtgat ttgtttattg catttattcc 60
cgtggcatat ttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc 120
atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
aaactttggc ctctgtcttt cctgcatctt tgaacattc gtttcttagt tctggaagtt 240
tttgaacggt acaaccgat ttctcgcaac acattttttc tcggttagtc gagtcacaac 300
tttctttaac cgt 313

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<210> 1335
<211> 385
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (48)..(48)
<223> n = unknown

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<220>
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<222> (329)..(329)
<223> n = unknown

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<400> 1335
atatatctta catcgaatct aataacaata aagagttatt aattttcntg tcgatgtttt 60
agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa tcgataatac tttctcaaag 120

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tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct	180
cgttcttcta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcaactccaca	240
tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat	300
tcctacaaca ttgcttccaa caacacttnc taatcgaccc atcattaaag atatacatatc	360
tgccattgcc tgagttgtgt aggggt	385

<210> 1336
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (57)..(57)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (409)..(409)
 <223> n = unknown

<400> 1336	
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caaaggtaac ctttgtaatg tcgatgtttt cccaagaaat cgcagggttt gcaacgctaa	120
agatgatgcc aaggaagttt gtctcaagcc acaagatact tgtttgagta ttttaaattgc	180
acaagggtgat gccataaaat taggggtgcac cagcaacctg ttcaagaacc agaattctgaa	240
aaaaatgtgc gagaaaaaac cagaacgttg cccaacttgt gacaaaaacg aatgcaatgg	300
tgatgccaaa aaacacgaat gtgtttcttg tgatgaaaat gatgaaaatt gcttgacgac	360
cctgaaaaag tcgagacgaa gaccaaattgc atgggcaaatt gctacttana tattgacgga	420
gataaagtga agagaggctg cccgcaccta caaatgcgat aaggaaactt gtctggaatg	480
cgaggaagag attgccga	498

<210> 1337
 <211> 379
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (18)..(18)
 <223> n = unknown

<220>
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 <222> (47)..(47)
 <223> n = unknown

<220>
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 <222> (49)..(49)
 <223> n = unknown

<220>
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 <222> (56)..(57)
 <223> n = unknown

<400> 1337
 ttgacagact gtactttntt tagtggtgca ctgtagatat ccacttngnt cagcgnnac 60
 ttgatctggg ctacaggatt ccttaaccgg atctgtcctt atttcggac aatactgcat 120
 ttcgggtgaa ctgcacgaat tcacgcaact aaattttact tttttacatt tttgctcggg 180
 tttcgggtaca ggtgtaggtt caggagtagg tactactcct ggtgcgggct catccaatga 240
 tgcaaatact tctttattta ctgttaaagg cgttccgtcg acattaaact caccatcata 300
 agcggtaacg acagataacg ccacaaaact aataaaaacc aatgtgatat aaaacattct 360
 aataaatatg ttaccacgc 379

<210> 1338
 <211> 388
 <212> DNA
 <213> Ctenocephalides felis

<400> 1338
 cgtgtcgacg atttgcaagt agttgggaat ttggccgccca ttagataagt atccccatcc 60
 agccagagtg gatactgctc caattggtgt atcatagctt gccagaccaa ctggtttgac 120
 atagtttgtg tataacaatat ttgatgtagt ttttagtaaa gcgatgttat tgtggtatgt 180
 gttctggtta aattggttat gaacgattat ttgggcaact ttgtatccta ctccgccagc 240
 attcaaagtg ttggttccaa cgacgagaag aatatcattt ggatatttat ttaacacgca 300
 agtagcagca gtaagaatcc aacgattgct gatgatggca ccaccacaga agtgtccttg 360
 gttggttctc aaagacacca taaaagg 388

<210> 1339
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>

<221> misc_feature
 <222> (54)..(54)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (62)..(63)
 <223> n = unknown

<220>
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 <222> (421)..(421)
 <223> n = unknown

<400> 1339
 tgaaatgtga agacgaccgt caacgaatgg tttgacccaa aatctttctc gtgngggaact 60
 gnntgcaaaa gtgaaaacgt tttttccgat cgaagagatt gtaaaaaata ttatcaatgt 120
 ttcttggtta acaacaaatg gcaaataaaa cattatgatt gtccaaatgg cttgcacttt 180
 gataaaacgg agttgcatg cataccacg ccaccggcg aagaatgcaa aagtgagatt 240
 gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat 300
 cataaagtag tcaattaata taataaatac acaaatgatc tgtgcaatta aatataaaaa 360
 atatgtataa aaattaaaat gtataaaatt gtattttatg taagaagcac aaacaaaatg 420
 ncattaacta tagtaatttc tgattattta aaatatataa atatagaagc tttatgaaat 480
 taaaaaaaaa aaaaaaaaaa 498

<210> 1340
 <211> 273
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (46)..(46)
 <223> n = unknown

<220>
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 <222> (185)..(186)
 <223> n = unknown

<220>
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 <222> (192)..(192)
 <223> n = unknown

<220>
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 <222> (273)..(273)
 <223> n = unknown

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<400> 1340
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actgttgagc aacatatattt tatagataag agtagatgta ataattcatt ttaagaattg      120
agttactaga attattctat tatgctgtat tatatgttaa tataactata ttaaaaagaaa      180
aattnnntttt tnaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aan                                     273

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<210> 1341
<211> 372
<212> DNA
<213> Ctenocephalides felis

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<400> 1341
aaaatccatt taatgaacat catgaacacc atgtaggcaa agagaagaac taagaagacc      60
aattggggca agaattctac taatatgctg atcttctggc ggaaatgaac gtgattgaaa      120
acggccatgc aaactccaaa aatcatgtga acgacgccga aaatgataga caacttcatt      180
ttgaaggagt tcaagaaaat aattttgttg gtagccagct gccacattgg atctaaacca      240
ataggatatg cttctccagc atctgttttt gggccaagag ttaattcttc attctccatc      300
acagtggatg aattataatt taatgtccat ccagaaccaa aaatgttcat ggataaggag      360
aaaatatcgt tg                                                         372

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<210> 1342
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (50)..(50)
<223> n = unknown

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<220>
<221> misc_feature
<222> (60)..(60)
<223> n = unknown

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<220>
<221> misc_feature
<222> (114)..(114)
<223> n = unknown

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<220>
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<222> (171)..(171)
<223> n = unknown

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<220>
 <221> misc_feature
 <222> (236)..(236)
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<220>
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 <222> (294)..(294)
 <223> n = unknown

<220>
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 <222> (444)..(444)
 <223> n = unknown

<220>
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 <222> (446)..(446)
 <223> n = unknown

<220>
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 <222> (449)..(449)
 <223> n = unknown

<220>
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 <222> (454)..(454)
 <223> n = unknown

<220>
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 <222> (458)..(458)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (486)..(486)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (490)..(491)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (497)..(497)
 <223> n = unknown

<400> 1342
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 agaaattact atagttaatg acattttgtt tgtgctcctt acataaaata caantttata 120
 cattttaatt tttatacata ttttttatat ttaattgcac agatcatttg ngatatttatt 180
 atattaattg actactttat gataatttga atcctaatta gtctattcaa gattgntttc 240

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ctgggtttaag ccttacttag caatctcact tttgcattct tcgccgggtg gcgnggggtat 300
gcatcgcaac tccgttttat caaaggcaag ccatttggca atcataatgg tttatttgcc 360
attggtggta accaagaaac attgataata tttttacaat ctcttcgacg gaaaaacggt 420
tcacttttgg atgcagtttg cacnanaana tttnggtnaa acatcgtgcg gccgggttaa 480
atttanaacn ngccggnggc 500

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<210> 1343
<211> 486
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (44)..(44)
<223> n = unknown

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<220>
<221> misc_feature
<222> (52)..(52)
<223> n = unknown

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<220>
<221> misc_feature
<222> (120)..(120)
<223> n = unknown

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<220>
<221> misc_feature
<222> (128)..(128)
<223> n = unknown

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<220>
<221> misc_feature
<222> (130)..(130)
<223> n = unknown

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<220>
<221> misc_feature
<222> (199)..(199)
<223> n = unknown

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<220>
<221> misc_feature
<222> (331)..(331)
<223> n = unknown

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<220>
<221> misc_feature
<222> (367)..(367)
<223> n = unknown

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<220>

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<221> misc_feature
<222> (374)..(374)
<223> n = unknown

<220>
<221> misc_feature
<222> (405)..(405)
<223> n = unknown

<220>
<221> misc_feature
<222> (408)..(408)
<223> n = unknown

<400> 1343
 tttttttttt tttttcttac ggcccaaacg atttattttt attnaaaaga tncatgtaat 60
 ttcataaagc ttctatatatt atatatattta aataatcaga aattactata gttaatgacn 120
 ttttgttngn gctccttaca taaaatacaa ttttatacat ttttaattttt atacatatatt 180
 tttatatattta attgcacana tcatttgggt atttattata ttaattgact actttatgat 240
 aatttgaatc ctaattagtc tattcaagat tgttttcctg gtttaagcct tacttagcaa 300
 tctcactttt gcattcttcg cgggggggcg ngggtatgca tcgcaactcc gttttatcaa 360
 agtgcangcc attnggacaa tcataatggt ttatttgcca tttgntgnta accaagaaac 420
 attgataata tttttttacaa tctcttccat cggaaaaaac gtttcacttt tgcatgcagt 480
 ctgccg 486

<210> 1344
<211> 0
<212> DNA
<213> Ctenocephalides felis

<400> 1344
000

<210> 1345
<211> 174
<212> DNA
<213> Ctenocephalides felis

<400> 1345
 ctttcttttag tgggtgcactg tagatatcca ctttgatcag cgcacacttg atctgggcta 60
 caggattcct taaccggatc tgctcctatt tccggacaat actgcatttc gggatgaactg 120
 cacgaattca cgcaactaaa ttttactttt ttacattttt gctcgggttt cggt 174

<210> 1346
<211> 360
<212> DNA
<213> Ctenocephalides felis

<220>
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 <222> (104)..(104)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (287)..(287)
 <223> n = unknown

<400> 1346
 aagaattggg atttgtgcat ttcatgacgg tgcaatcagc ttctgacgat ttcttttttac 60
 acatatTTTTT agaatgatca tatacatagt taggtgggca ttcnaaaacc tggcctttac 120
 catctttgca gaataagtat cttgtgcaag tctttcggat ctggctgata tcctacaacc 180
 gcgcatgtag tttctgccgt cttacagttt tccccagggt ttgatgagca catatcatct 240
 acacaaaatg gagcatcgga atttgagtct ctgcaattga ttggtgnaat tggggtttct 300
 tgccagcgca caacttcaaa gtagaacaat cgtgacaaaa tgttccaact gcttattagt 360

<210> 1347
 <211> 406
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n = unknown

<220>
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 <222> (63)..(63)
 <223> n = unknown

<220>
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 <222> (65)..(65)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (98)..(98)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (129)..(129)
 <223> n = unknown

<220>
 <221> misc_feature

<222> (302)..(302)

<223> n = unknown

<220>

<221> misc_feature

<222> (377)..(377)

<223> n = unknown

<400> 1347

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ttctcaagaa cgagagtaaa ataatctntt tattattaat tgtgcacttt taaaatataa      60
gtnrngatga aattgtatat catttcttca tatcttanat ctcatTTtga ggtaaattat      120
tgaaacacna tttataaaaa agggataggg atggaaatag aatatgaatt cgacaatatt      180
aattagtaga agtaaataat tttttatata ctactaatac catatagttt gattttgaat      240
gtatacttgt tgtgggcatt tcaataataa aaaacgataa aaaatgaaat aattatacag      300
tntttatgaa tgagcttaaa aaaattgcta ttaacgatcc ataatttttg cttcaaatga      360
gccacaaaat aaagcanatg gacattagca aatatatctc aaaaag                      406

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<210> 1348

<211> 417

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (56)..(56)

<223> n = unknown

<220>

<221> misc_feature

<222> (147)..(150)

<223> n = unknown

<220>

<221> misc_feature

<222> (284)..(284)

<223> n = unknown

<400> 1348

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aattcggtaa tactaggaat gtaaaacaaa aatataatag aacaataatt cgggtnggac      60
aaagatattg tattttaatt ttaatttata ttgatcaciaa attaataact cgttacattg      120
taataatact aaacaatcta tttacannnn aaaacactcc tttcgcaaac ttttaattctc      180
cttcttgatg cgtgtggatg tcattctgta aataatggag tccctgccag ggtccattgt      240
ggagatcgag atacagatag caagtaacga gaagaaaaag gctnctccga accataaaat      300
gatgttaaaa accaccgggt aggagtcggt gtattcttta gctaggttga aatcggggtc      360
ttttggagca tcatctgctt gccttgctta cgtgttaaga cgtcattaga gggtagt        417

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<210> 1349
 <211> 376
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (66)..(66)
 <223> n = unknown

<400> 1349
 aatggtatta tnttttattc aggctggctg anttatgtgt aaattattga aaaactgnta 60
 actatngaac atatatatat aaatataggt taaatattgt aaattttatt taagtcttca 120
 aaccgaccct acatgtcccc ttgaaatttt acttccccgt gtagaaaaat gtcttttcga 180
 tatattggtg tatatcttga tgtattctag tttattataa tttgttgcaa gtttgttggt 240
 caaaatgata ataatacata tgatacacia taataggata atgattaaca atacaaaaaa 300
 ccatattatg tagtgtgtat tatttgaaac atgtaaataa aaacattcca cacaaaaaaa 360
 aaaaaaaaaa aaaaaa 376

<210> 1350
 <211> 445
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<400> 1350
 aacaaaaaat aaaaaataac ccattttact ggattcattt gaataataaa tatgtggntt 60
 ctgtattttt tttttcttaa aaaaaataac caatatctac aattgtcttt gacacaatat 120

FC-8-C3.ST25.txt

attaataaca gacactaaca tagtatttga aataacatag tattaatatt tgtattaagg	180
cactcaatac tataggaata cttggaacgc gcattgctaa attcctcgct tatccaaaat	240
acgtataaat acttattatc aattataggg gcatattgct aaatgactta aaatcaataa	300
aaagcgaatc tcgcgtataa aaaaatgcc aatcatatc tcaactgtgtg taaaaatatt	360
aaaaatttga tcacgatgat ttgctgatc acaacttatg ctagactcac aatatgtgaa	420
ttaaacaatga gctctcttat atttg	445

<210> 1351
 <211> 229
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (217)..(217n = unknown)

<220>
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 <222> (217)..(217)
 <223> n = unknown

<400> 1351	
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ggatatgaca caataccagc aacagttgtg acggcttgtg caatggccca gctgataact	120
aatgggggtgt tcttgggggtc tggcaacatt ccacgagcgg tgatcatagaa tccaaagtat	180
gctgcacggt agatgatgat accttgaaca gatactncaa aaccacggt	229

<210> 1352
 <211> 457
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (65)..(65)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (407)..(407)
 <223> n = unknown

<220>
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 <222> (409)..(410)
 <223> n = unknown

<220>
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 <222> (412)..(413)
 <223> n = unknown

<220>
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 <222> (420)..(420)
 <223> n = unknown

<220>
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 <222> (422)..(424)
 <223> n = unknown

<220>
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 <222> (426)..(426)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (429)..(429)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (433)..(434)
 <223> n = unknown

<400> 1352
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 atggngatatt atttcattta aaggcaatgt atcgggtttta tgggttttaaa tttattttttt 120
 atttaatatatt aaatagatta attaaaaatc tataaagtga taagaggcct gatattccata 180
 atattattga atattaagaa gtgacggata gatctgataa tgtagtagtt gttatagaca 240
 atttacttaa taattatgag ttgcatcatt acgcaatgat ttatcactat tattttattca 300
 acattttatt taactgcttg caacttttta taaaacgcat tttttattgt ttttaagtata 360
 aatcttatta gggcacaata tgaaaataaa aataagaact ttatcanann annaaatttn 420
 annntnttnc cttnnaaaaaa aaaaaaaaaa aaaaaaa 457

<210> 1353
 <211> 406
 <212> DNA
 <213> Ctenocephalides felis

<400> 1353
 gagcggcccg cccgggcagt acatatatct tacatcgaat ctaataacaa taaagagtta 60
 ttaattttca tgtcgatggt ttagaaaatg attcagtagc aacttctgaa ttttctttgt 120

FC-8-C3.ST25.txt

aattgataat actttctcaa agtataattg catttcacaa cacacgacgg aaatatgggtt 180
atgggtccata tgaagcaatg ctcgttcttc tatccacttg cttctgataa atgttcggta 240
taaagaatgc aatcactcca catgctatca gagatgttcc tgatattaaa aatgttaaatt 300
cgcaattata atctagaatt attcctacaa cattgcttca acaacacttc ctaatcgacc 360
catcattaaa gatatacata ctgccattgc cctgagttgt gtaggg 406

<210> 1354
<211> 455
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (45)..(45)
<223> n = unknown

<220>
<221> misc_feature
<222> (191)..(191)
<223> n = unknown

<220>
<221> misc_feature
<222> (399)..(399)
<223> n = unknown

<220>
<221> misc_feature
<222> (425)..(425)
<223> n = unknown

<400> 1354
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aatggaatt agcttggatt ctcacacgtg agcaaaaccc atcatcgga ttgatgaaag 120
aaattaagac atatgtggaa aacaatacac ccatagattt gagcaaacta aaacacaccg 180
agcaaaattg nggaaaggat tattgaagat aattgctgta tataaagtca ttttaagaca 240
cagctttatc aaaacaacaa caacatatgt ttaagaataa ctaaatatat tatacttaat 300
acttagcttt tcttggcaat actatatgaa actattggca taagtgcatt aatattttta 360
taatagattt gctttctata ttcaatatat ataatatgna ttaataataa attcttctat 420
caagntttta aaaaaaaaaa aaaaaaaaaa aaaaa 455

<210> 1355
<211> 421
<212> DNA
<213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (67)..(67)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (230)..(230)
 <223> n = unknown

<220>
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 <222> (421)..(421)
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 caccggtatc actctcagtg aatacttccg tgatatgggt tacaacgtat ctatgatggc 180
 tgattccact tctcgttggg ctgaagcttt gagagaaatt tcaggtccgn ttggctgaaa 240
 tgctgccga ttccggttat ccagcgtact tgggagctag gttggcctct ttctacgaac 300
 gtgctggccg tgtaaaatgt ttgggtaatc ctgaacgtga aggctcagta tcaattgtag 360
 gagctgtatc accgccggtg gtgacttctc agatccgcac ttcagctaca ttgggtattg 420
 n 421

<210> 1356
 <211> 313
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 <213> Ctenocephalides felis

<220>
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 <222> (63)..(63)
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<220>
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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggg cttcgtcttt cctgcattct tgaaacattc gnttcttagt tctggaagtt 240

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<210> 1357
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 <212> DNA
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<220>
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<400> 1357
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 atacatttta atttttatac atatttttta tatttaattg cacanatcat ttgtgtattt 180
 attatattaa ttgactactt tatgataatt tgaatcctaa ttagtctatt caagattggg 240
 ttcttggttt aagccttact tagcaatctc acttttgcac tcttcgccgg gtggcggtggg 300
 tntgcacgc aactccgctt tatcaaagtg caagccattt ggacaatcat aatgttttat 360

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ttgccatttg ttgttaacca agaaacattg ataatatattt ttacaatctc ttcgatcgga      420
aaaaacgttt cacttttgca tgcagttctg cacgagaaaag attttgggtc aaaccattcg      480
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<210> 1358
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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<220>
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<222> (370)..(370)
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agaaattact atagttaatg acattttgtt tngnctcctt acataaaaata canntttata      120

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FC-8-C3.ST25.txt

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cattttaatt tttatacata ttttttatat ttaattgcac agatcatttg ngatatttatt 180
atattaattg actactttat gataatttga atcctaatta gtctattcaa gattgntttc 240
ctggnttaag ccttacttag caatctcact tttgcattct tcgccgggtg gcgtgggtat 300
gcatcgcaac tccgntttat caaagtgcaa gccatttggc aatcataatg ntttatttgc 360
catttggtgn taaccaagaa acattgataa ttttttttac aatctcttc 409

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<210> 1359
<211> 500
<212> DNA
<213> Ctenocephalides felis

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acaaatgtcg ttaattacta attcaaagtt tcatacgata tgtcatatgc taattttaga 180
tttattatca taaataaatt tattatttaa atcatattag agggaaaaaaa aatattttct 240
caattctctc cttcaaaact tctttgcact tctccggctc catacagttt taataccact 300
tttttcacaa aattcaacat ttttgtaaaa tccattgtga aaattcattt ggctggttat 360
taaaagacat catcccttcg gaatctgtta tataccccaa accagcactc ttcaaatac 420
aaaatccttt ttcaagttaa cctcgaacgt taccatatt tggaaggtcc ttttggattc 480
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<210> 1360
<211> 118
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<220>
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<400> 1360

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<210> 1361
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

<400> 1361

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atttaatat attagatta attaaaaatc tatnaagtga taagaggcct gatatccata      180
atattattga atattaagaa gtgacggnta gatctgataa tgnagtagtt ggtatagaca      240
ncttacttaa taattatgag ttgcatcatt atgcaatgat ttatcactat tttttattca      300
acattttatt taactgcttg caacttttaa taaaacgcn ntttattgnt ttaagnataa      360
atcttattag ggcacaatat gaaaataaaa ataagaactt tattcaaaag ctttttttat      420
acaatatgct tcttgcgctt taagntaaga aattttattt tgcttgnnaa aaacaataaa      480
tgctttatta ttaaaaaaaa                                     500
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<210> 1362

<211> 287

<212> DNA

<213> Ctenocephalides felis

<400> 1362

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aatatgtat agataaaaga taaagattgt aaaaagtttg agaaacactg tttggatggg      120
gaaacgaaat atagaaaaca caaaagttaa aatatatata tactcagccc caaataatat      180
aatttaaaat tatggttaag tttgtttagt agctcagtg taatagcatt agccttgcaa      240
ccagaattgc agattccatt cctcattaa acctgatatc gagcagt                          287
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<210> 1363
 <211> 147
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (32)..(32)
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<220>
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 <222> (130)..(130)
 <223> n = unknown

<400> 1363
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 ccacttcatt aacacctttg ttctaggtat gttatatacc tctggtttgg ctagtcttag 120
 aacgcattgn ttgtgtgagg ctttagt 147

<210> 1364
 <211> 0
 <212> DNA
 <213> Ctenocephalides felis

<400> 1364
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<210> 1365
 <211> 420
 <212> DNA
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 <222> (157)..(157)
 <223> n = unknown

<220>
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 <222> (267)..(267)
 <223> n = unknown

<220>
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 <222> (295)..(295)
 <223> n = unknown

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 acacatattt ttagaatgat catatacata gttaggnggg cattcgaaaa cctgaccttt 180

accatctttg cagaataagt atcttgtgca gctttcggat ctgggtgata tcctacaacc 240
 gcgcatgtag tttctgccgc ttacagnttt ccccagggtt tgatgagcac atatnatcta 300
 cacaaaatgg agcatcggaa tttgagtctc tgcaattgat tgttgtaatt ggggtttctt 360
 gtcagcgcac aacttcaaag tagaacaatc gtgacaaaat gttcccaact gcttattagt 420

<210> 1366
 <211> 250
 <212> DNA
 <213> Ctenocephalides felis

<400> 1366
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 aacagtcttc ttgtgataat ttcttgacgg ccgtatctgt agactttgat acaccttttt 120
 tcggtaagct ccagaacacc tgatccctgc cgaatacgtg agcttcagtt agcgtttccg 180
 gtaacttttg gtgtaaagtt tcggcaagaa cattccggaa gtcgcgcca ccatcatcat 240
 tacggaaagt 250

<210> 1367
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (38)..(38)
 <223> n = unknown

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 ttttgggcaa agttcaagtt ttctgctcca gctaagaatt tgttggtggc aacttctttg 180
 aaggtgggtt ttaatgtata gccttccata acataaaactt tattggcaat ttccagagtt 240
 acaccttttt gtgtattaag agtggtcatc aatgcgtggt agtcatcttg aattttttct 300
 tttgattgag gctgacgtaa accagcagct atttgtgtgg cagtattacc accagctccc 360
 attgacacca gggatagaac agtttgt 387

<210> 1368
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 <212> DNA
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<220>
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 <223> n = unknown

<220>
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 <222> (129)..(129)
 <223> n = unknown

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 <223> n = unknown

<220>
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 <222> (310)..(310)
 <223> n = unknown

<220>
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 <223> n = unknown

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 cattaatant tcatacacac acacacacat tacttgtctt ttcaattcca atttgttctt 180
 attctcgtcc ttgttcaaatt gtcgatgttc aatgttgtat taagcattct attgtgantt 240
 tagtattgga tttcttaaca tttaaagcagc ttctgatgat attattggca acgcattgac 300
 acaatgatan tttattaaat gtgaaatact ttcaaacatt ntatctctgg tgtcgaacca 360
 ctcttttagg atcaataagt aataaatgct tcttattaac tccttgaata ccagtcagca 420
 catattgcca ggacttgctc gtgactct 448

<210> 1369
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (58)..(58)
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<220>
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 <222> (95)..(95)
 <223> n = unknown

<220>
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 <222> (349)..(349)
 <223> n = unknown

<220>
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 <222> (412)..(412)
 <223> n = unknown

<220>
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 <222> (489)..(489)
 <223> n = unknown

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 ttttaatatta aatagattaa ttaaaaatct ataaagtgat aagaggcctg atatccataa 180
 tattattgaa tattaagaag tgacggatag atctgataat gtagtagttg ttatagacaa 240
 tttacttaaat aattatgagt tgcattcatta tgcaatgatt tatcactatt atttattcaa 300
 cattttatatt aactgcttgc aacttttaaat aaaacgcatt ttttattgnt ttaagtataa 360
 atcttatttag ggcacaatat gaaaataaaa ataagaactt tatcaaaaagc tntttttatac 420
 aatatgcttc ttgcgctatt aagtaaagaa attttattta tgcttgtaaa aaacaataaa 480
 tgcttattnt ttaaaaaa 498

<210> 1370
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 <212> DNA
 <213> Ctenocephalides felis

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<222> (94)..(96)
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 <223> n = unknown

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 nntttgggca tggagggttaa aagtaattga cgtttgaatg gaaaaaatgg gtctttgtat 180
 atatggaaact tganttttat gttttgtgac ctaaaaaaga aatcttcctg agagaatcaa 240
 tttcttcttt gctccacaaa tgtaacacac atacacacag ggtctgttca aacatcggga 300
 aatatatgac tatatatatt ctatcatttt catacctttt atactaaaca tttatatattg 360
 gtaaaagaat gnatgcttat tattatataa atgctaaata ttatg 405

<210> 1371
 <211> 311
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (66)..(66)
 <223> n = unknown

<400> 1371
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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgcctttg gattcataca 180
 aactttggtc ttcgctttcc tgcattcttg aaacattcgt ttcttagttc tggaagtttt 240
 tgaacgttac aacccgattt ctgcgaacac attttttctc ggtagtcga gtcacaactt 300
 tctttaaccg t 311

<210> 1372
 <211> 386
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (65)..(65)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (237)..(237)
 <223> n = unknown

<400> 1372
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 atatcaggaa catctctgat agcatgtgga gtgattgcat tctttataacc gaacatttat 180
 cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttncgt 240
 cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcgattacaa agaaaattca 300
 gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt 360
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<210> 1373
 <211> 286
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (30)..(30)
 <223> n = unknown

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 gaaacgaaat atagaaaaca caaaagttaa aatatatata tactcagccc caaataatat 180
 aatttaaaat tatgggtaag tttgtttagt agctcagtgg taatagcatt agccttgcaa 240
 ccagaattgc agattcatc cctcattaaa cctgatatca agcagt 286

<210> 1374
 <211> 378
 <212> DNA
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<220>
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 <222> (35)..(35)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (284)..(284)
 <223> n = unknown

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 tactatagga atacttggaa cgcgcattgc taaattcctc gcttatccaa aatacgtata 180
 aatacttatt atcaattata ggggcatatt gctaaatgac ttaaaatcaa taaaaagcga 240
 atctcgcgta taaaaaatg ccatcatcat atctcactgt gtgnaaaaat attaaaaatt 300
 tgatcacgat gattttgtcg atcacaaatt atgctagact cacaatatgt gaattaaaca 360
 tgagctctct tatatttg 378

<210> 1375
 <211> 421
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (228)..(228)
 <223> n = unknown

<220>
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 <222> (366)..(366)
 <223> n = unknown

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 tacacatatt tttagaatga tcatatacat agttaggtgg gcattcgaaa acctgacctt 180
 taccatcttt gcagaataag tatctttgtg cagtctttcg gatctggntg atatcctaca 240
 accgcgcatg tagtttctgc cgtcttacag ttttccccag gttttgatga gcacatatca 300
 tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgttgt aattgggggt 360
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421

<210> 1376
 <211> 367
 <212> DNA
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<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (303)..(303)
 <223> n = unknown

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 <222> (314)..(315)
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 atgatggacg tgatttcata tatccctaaa ctttggatca gagtttgaga gaagcctagc 180
 catagtgtat agaaaattat gtgtaggtgt ataattaaga ttgtcaggag tcaaatatat 240
 aaagcattga tacaaattat acattccant tttctgtaaa ccgngttcct tggtgattat 300
 ggnttatatc acannttatg aatcatgtaa attaattgta aatttgaaat gtatctccgt 360
 gtaatgt 367

<210> 1377
 <211> 425
 <212> DNA
 <213> Ctenocephalides felis

<400> 1377
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 tttttcaagt aaaagtaaat caagtaacat ctgatttcca caaaataatg tcgggaggtc 180
 cacaaggtag tatttttggga cttttcttat atgttttata cacaaaggac ctcccattac 240
 ttgaaaatct gacacttgct acattcgctg gcgatattgc cataactaagt agtaatcaca 300
 gtactgatca agcttcccga caaacgcaag aacatatcaa taaactacaa atgtggctta 360
 ctaaattgaa gatttgcata aatgaaacca aatcagttca tatcacattt accctgagag 420
 aggggt 425

<210> 1378
 <211> 384
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (138)..(138)
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 tcctacccgg tggtttttaa catcatttta tggttcggag tagccttttt cttctcggtta 120
 cttgctatct gtatctcnat ctccacaatg gaccctggca gggactccat tatttacaga 180
 atgacatcca cagcatcaa gaaggagaat taaagtttgc gaaaggagtg tttttaattg 240
 taaatagatt gtttagtatt attacaatgt aacgagttat taatttgtga tcaatataaa 300
 ttaaaattaa aatacaatat ctttggtgaa atcgaattat tgttctatta tattttgttt 360
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<210> 1379
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (346)..(346)
 <223> n = unknown

<220>
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 <222> (434)..(434)
 <223> n = unknown

<400> 1379
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 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgtactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccggcga agaatgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtngt canttaatat aataaataca caaatgatct gtgcanttaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgc 420
 attaactata gtantttctg attatttaaa atatataaat atagaagctt atgaaatcaa 480
 aaaaaaaaaa aaaaaaaaaa 498

<210> 1380
 <211> 422
 <212> DNA
 <213> Ctenocephalides felis

<400> 1380
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 aaagaattgg gatttgtgca tttcatgacg gtgcaatcag cttctgacga tttcttttta 120
 cacatatttt tagaatgatc atatacatag ttaggtgggc attcgaaaac ctgaccttta 180

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ccatctttgc agaataagta tcttgtgcag tctttcggat ctggctgata tcctacaacc 240
gcgcattgtag tttctgccgt cttacagttt tccccagggt ttgatgagca catatcatct 300
acacaaaatg gagcatcgga atttgagtct ctgcaattga ttgttgtaat tgggggtttct 360
tgtccagtgc acaacttcaa agtagaacia tcgtgacaaa atgttcccaa ctgcttatta 420
gt 422
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<210> 1381
<211> 268
<212> DNA
<213> Ctenocephalides felis
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<222> (30)..(30)
<223> n = unknown

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catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180
attatgggaa atccaatcgc atatccagct tcaacattaa agaatgcata aatgcctggt 240
cttcatttgt gtctttacac tcggctcgt 268
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<210> 1382
<211> 498
<212> DNA
<213> Ctenocephalides felis
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<223> n = unknown
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<223> n = unknown
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<220>
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<223> n = unknown

<400> 1382

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tgaatgatta aatgtaatag attaatcaan ttttagatga ttaaaattgt tctattacta     120
caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat     180
agattttgaa taataacata gaaattatac tctttttttg atgactctaa taaaaaaaat     240
gtataaatgg ccatgcctga tatatTTTTG ataaccttaa tgaaaaaatg tttaaatggc     300
catgtctgaa aagatttcta tgtgtntttt tttgttaaca ttttattggt gaatggataa     360
aagataaata ccntttataa gctgnttgga taaattaatt ttgaataaat ccataatcat     420
agaatatggt aagtagcaaa ttaaaatatg gcccaaacca caaaatgtat acgaaatata     480
acttatatga tattaataa                                     498
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<210> 1383

<211> 230

<212> DNA

<213> *Ctenocephalides felis*

<400> 1383

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acacaatcga tgatgaaagg ctgcgcaagg agttcacacc gtttgggtaca atcacatccg     120
caaaggatgat gactgaggat ggaagaagca aaggatttgg atttgtttgc ttctcttctc     180
ctgaagaagc tacaaggca gtcactgaga tgaatggacg cattgtgggt                230
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<210> 1384

<211> 460

<212> DNA

<213> *Ctenocephalides felis*

<220>

<221> misc_feature

<222> (53)..(54)

<223> n = unknown

<220>

<221> misc_feature

<222> (174)..(174)

<223> n = unknown

<220>

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<222> (191)..(191)

<223> n = unknown

<220>

<221> misc_feature
 <222> (303)..(303)
 <223> n = unknown

<220>
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 <222> (335)..(335)
 <223> n = unknown

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 tgattaaaaat tgttctatta ctacaatagc aacctctgcc tgaaaattaa ccgaacaaac 120
 ttctaacatc cttattaatg tatagatttt gaataataac atagaaatta tctntttttt 180
 tgggtgactct nataaaaaaa atgtataaat ggccatgcct gatataatttt tgataacctt 240
 aatgaaaaaa tgtttaaatg gccatgtctg aaaagatttc tatgtgtatt tttttgttaa 300
 cantttattg ttgaatggat aaaagataaa tacnntttat aagctgtttg gataaattaa 360
 ttttgaataa atccataatc atagaatatg ttaagtagca aattaaaata tggccacaaa 420
 cccaaaagta tacgaaatat aacttatatg atatatgaaa 460

<210> 1385
 <211> 460
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (57)..(58)
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<220>
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 <222> (115)..(115)
 <223> n = unknown

<220>
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 <222> (133)..(133)
 <223> n = unknown

<220>
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 <222> (160)..(160)
 <223> n = unknown

<220>
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 <222> (274)..(274)
 <223> n = unknown

<220>

<221> misc_feature
 <222> (310)..(310)
 <223> n = unknown

<220>
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 <222> (314)..(314)
 <223> n = unknown

<220>
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 <222> (344)..(344)
 <223> n = unknown

<220>
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 <222> (450)..(450)
 <223> n = unknown

<400> 1385
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 ttaattgatg tcgaccctac gttgtcgcaa tgtttactaa ctttcaaatt cttgnaactt 120
 ttaaactggt tgnttaattt aaatgaaata tttggcaaan ttgttcaaaa ttaaatagtc 180
 tataactttt tctaacatcc taagtcatag agcaactcgg tatctgaaaa attaataatt 240
 ttaaattgat gtcgacacta cgttgtcgca atgnttatta actttaaaat tcttgtaact 300
 tttgaatggn ttgnttaatt tgaatgaaat atttggcaaa ttgnttgaaa ttaaataatt 360
 tacaactttg tctaacatct taagtcatag agcaactcgg tatactcata aataataatt 420
 tctgatgggt tcttgaaga ttacttgtcn tgggtgaaagt 460

<210> 1386
 <211> 425
 <212> DNA
 <213> Ctenocephalides felis

<400> 1386
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 tcgataagggt ttggcaccca ggacttttat ataaaataaa agcatatctt ccttcaagga 120
 tttttcaagt aaaagtaaata caagtaacat ctgatttcca caaaataatg tcaggagtgc 180
 cacaaggtag tatttttggga cttttcttat atgttttata cacaaggac ctcccattac 240
 ttgaaaatct gacacttgct acattcgctg acgatattgc cataactaagt agtaatcaca 300
 gtgctgatca agcttcccga caaacgcaag aacatatcaa taaactacaa atgtgggcttg 360
 ccaaattggaa gatttgcata aatgaaacca aatcagctca tatcacattt accctgagag 420
 aggggt 425

<210> 1387
 <211> 118
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (70)..(70)
 <223> n = unknown

<400> 1387
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 acgcagcatn aacaagggttc ttgcaattca gcataatgac cagaagaaaa atacaggt 118

<210> 1388
 <211> 320
 <212> DNA
 <213> Ctenocephalides felis

<400> 1388
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 ctcgattatg ctctatgtga tattctgcgt gtgggcacta ttcacaattg ccatacctagt 180
 catgatggaa ggcctttctg cgttcttgca cacactgcgt cttactggg tggagttcat 240
 gagtaagttc tactctgggt tgggttattt gttccaaccc ttctgcttca aaactatttt 300
 ggacgcggag gataaggaag 320

<210> 1389
 <211> 204
 <212> DNA
 <213> Ctenocephalides felis

<400> 1389
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 gttcaatcga atccttccta aatgttattg aaactgaaga agcacctcca acctttaata 120
 gaactaacia attcactcaa ggtttccaaa acttgataga tgcctacgga gttgctagtt 180
 acagagaagt aaatccagct ctgt 204

<210> 1390
 <211> 119
 <212> DNA
 <213> Ctenocephalides felis

<220>

<221> misc_feature
 <222> (63)..(63)
 <223> n = unknown

<400> 1390
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 cangcagcat taacaagggtt cttgcaattc agcataatga ccagaagaaa aatacaggt 119

<210> 1391
 <211> 457
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (43)..(43)
 <223> n = unknown

<220>
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 <222> (45)..(45)
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<220>
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 <223> n = unknown

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 <223> n = unknown

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 <222> (375)..(375)
 <223> n = unknown

<220>
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 <222> (379)..(379)
 <223> n = unknown

<400> 1391
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ggnatttcat gttttatatt atttgaatct aagtcannntt ttgaaatttc atctgcanat	120
ctacgacttt ttctaattgc agccaatgat aatgcatcaa tttgatggac atcatttttg	180
ggtgggttcaa tattagctgc tgcactaat tctactacag acggaagatt ttctgtgcag	240
tctccaatt tttttgtgtc tctcaacctt gaatttctcg taaccctcat atttgtagnt	300
tctttcaatt ttgattcact atttgttacg tccaagctta attttttatt ttttttagta	360
actttcttga ctggnttgnt gaatgggtgc tcaaagtctt tttgatttga attactattt	420
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<210> 1392
 <211> 424
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (38)..(39)
 <223> n = unknown

<220>
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 <222> (87)..(87)
 <223> n = unknown

<220>
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 <222> (141)..(141)
 <223> n = unknown

<220>
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 <222> (261)..(261)
 <223> n = unknown

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ttttgtcaaa aacaagatca taactgnnta tataatataa gaagttctta taataaaagt	120
gcagtattat ttttacatca ntttaaacad cactaaaatc aaaacctaac ctcaaaattt	180
cactaagtga aaatgttgaa gactttattt aatcaaagtg taccgacaaa acagcactaa	240
tgcctcctta gtaagtacag nttttcacia tagaaaccct agaaatttag aacgaatgag	300
gattgcttat aaacctgatg gatggcatgt agataaacct ggacgctcat tctggcacaa	360
attagagtta actgaaagct ctcgatatat aactgcacga gtggtgcatt ggaaggaagg	420
cctg	424

<210> 1393
 <211> 462
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (16)..(16)
 <223> n = unknown

<220>
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 <222> (36)..(36)
 <223> n = unknown

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 <222> (140)..(140)
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<220>
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 <222> (177)..(177)
 <223> n = unknown

<220>
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 <222> (323)..(323)
 <223> n = unknown

<220>
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 <222> (372)..(372)
 <223> n = unknown

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 ttaaaatatt cttatattn taaattacat aacggctaaa gttaaaaaaa tttaatngct 180
 ggaataaaaa ctttccgaat aacataattt ttttaaaatt tcgtttcttt tagaacaaaa 240
 actatagaat tctattttga tcgaaacctg gtaatcactt tacgtcctga atgctcatgc 300
 cattggaata aaatagaatg ctnggtataa tttatatatg attattttta taatatttgg 360
 taatatagat anttcaatat atactctttt tgaattaaat agaaataatg attatacaca 420
 tcattttttaa tatacattaa aatccgtcct cgtagtcttg ct 462

<210> 1394
 <211> 478
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (80)..(81)
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 <222> (120)..(120)
 <223> n = unknown

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 <222> (314)..(314)
 <223> n = unknown

<220>
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 <222> (347)..(347)
 <223> n = unknown

<220>
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 <222> (388)..(388)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (393)..(393)
 <223> n = unknown

<220>
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 <222> (436)..(437)
 <223> n = unknown

<400> 1394
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 gcntgcaaaa gtgaaaacgn nttttccgat cgaagagatt gtaaaaaata ttatcaatgn 120
 ttcttgggta acaacaaatg gcaaataaaa cattatgatt gtccaaatgg cttgcacttt 180
 gataaaacgg agttgcatg catacccacg ccacccggcg aagaatgcaa aagtgaatt 240
 gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat 300
 cataaagtag tcanttaata taataaatac acaaatgatc tgtgcantta aatataaaaa 360

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atatgtataa aaattaaaaat gtataaantt gtntttttatg taaggagcac aaacaaaatg 420

tcattaacta tagtannttc tgattattta aaatatataa atatagaagc tttatgaa 478

<210> 1395

<211> 385

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (42)..(42)

<223> n = unknown

<220>

<221> misc_feature

<222> (58)..(59)

<223> n = unknown

<400> 1395

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agaaaatgat tcagtagcaa cttccgaatt ttctttgtaa ttgataatac tttctcaaag 120

tataattgca tttcacaaca cagcagcgaa atatgggtat ggtccatatg aagcaatgct 180

cgttcttcta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcaactccaca 240

tgctatcaga gatgttctctg atattaaaaa tgttaaatcg caattataat ctagaattat 300

tcctacaaca ttgcttcaac aacacttctt aatcgacca tcattaaaga tatacatact 360

gccattgccc tgagttgtgt aggggt 385

<210> 1396

<211> 377

<212> DNA

<213> Ctenocephalides felis

<220>

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<223> n = unknown

<220>

<221> misc_feature

<222> (293)..(293)

<223> n = unknown

<400> 1396

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gcaaaaagaa ctctaccaac tagtacggaa gcatgtgtgg aagttgaagc tttgaaggat 120

ggatttgatt tctgcaccaa aattacaaga gcaagatttg aagaattatg ctctgattta 180

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ttccgctcta ctttacgccc agttgaacaa gcgtaagag atgcaaagtt agacaaagga 240
gccatacatg atgttgattt ggtgggaggt tccacaagaa tacctaaaat tcnatctctg 300
ctacaagaat tctttgcagg aaagacctta aattcttcca taaatccaga tgaagctgtg 360
gcttatgggtg ctgcagt 377

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<210> 1397
<211> 500
<212> DNA
<213> Ctenocephalides felis

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gtgtgttagc agaactttga atgataagat tttgggtggc agcaagactc tgtccacaca 180
tatttctccg tttatgagat gctaaatcat tactttgggc aaaagctcta ccacaaacca 240
tacaagcgta gggcttttca cctgtatgtg tcctcatatg tatagctaac ttatcagatc 300
gtgcaaatac tctgttaca acactgcata caaatgggtt ttctcctgta tgttttctca 360
tatgcaatgt aagatctgta gttcttggat aacctttacc acagattttg caaaaatttg 420
tcatttgacc agtatgtctc cgcataatga cggtctaaatt acttcttgaa ctgcaacttt 480
taccacaaac actgnataat 500

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<210> 1398
<211> 420
<212> DNA
<213> Ctenocephalides felis

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<400> 1398
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gtactgctct tgtcgcaaac acatctaaca tgccgtgcgc cgctcgtgaa gtttcattta 120
caccggatc actctcagt aatacttccg tgatatgggt tacaacgtat ctatgatggc 180
tgattccact tctcgttggg ctgaagcttt gagagaaatt tcaggtccgt ttggctgaaa 240
tgccgtgccga ttccggttat ccagcgtact tgggagctag gttggcctct ttctacgaac 300
gtgctggcgt gtaaaatgtt tgggtaatcc tgaacgtgaa ggctcagtat caattgtagg 360

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agctgtatca ccgccggtgg tgactttctca gatccgtcac ttcagctaca ttgggtattg 420

<210> 1399
 <211> 323
 <212> DNA
 <213> Ctenocephalides felis

<400> 1399
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 tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg 120
 catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180
 attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt 240
 tcttcattgt gtctttacac tcggtcgtac tattcgtagc atcaatgctt agggcggacg 300
 acttcattga tactacgaat agt 323

<210> 1400
 <211> 210
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (139)..(139)
 <223> n = unknown

<400> 1400
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 attattattg tgacgaaaat agtataggaa cccaatatta ttgccccgca aattttgcat 120
 atgatccgtt acgtcatant tgccggaccta tggctctggg cacaaaatgc tatacagtta 180
 catgtcctgc acagcctaag gtgcttccgt 210

<210> 1401
 <211> 464
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (57)..(57)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n = unknown

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<220>
<221> misc_feature
<222> (423)..(423)
<223> n = unknown

<400> 1401
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t t t a a t t g a t g t c g a c c c t a c g t t g t c g c a a t g t t t a c t a a c t t t c a a a t t c t t g t a a c t      120
t t t a a a c t g t t t g t t t a a t t a a a t g a a a t a t t t g g c a a a t t t g t t c a a a a t t a a a t a g t      180
c t a t a a c t t t t t c t a a c a t c c t a a g t c a t a g a g c a a c t c g g t a t a c t g a a a a a t t a a t a a      240
t t t t a a a t t g a t g t c g a c a c t a c g t t g t c g c a a t g t t t a t t a a c t t t t a a a a t t c t t g t a a      300
c t t t t g a a t g g t t t g t t t a a t t t g a a t g a a a t a t t t g g c a a a t t t g t t t g a a a t t a a a t a      360
a t t t a c a a c t t t g c t a a c a t c t t a a g t c c a t a g a g c a a c t c g g t a t a c t c a t a a a t t a a t      420
a a n t t c t g a t t g a t t t c c t g a a g a t t a c t t t g t a t t g g t g a a g      464

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<210> 1402
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<212> DNA
<213> Ctenocephalides felis

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<400> 1402
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g a t a a t t t a a c t t c a t a a t t a t t g a t g c c a c t t t t a g c t a t t a a t t g c t t c a g a g c t a c c      120
t g c a c a t g t t c a g a a a a t t c t t c c a t g t t a a a a a a a t a t g g a a a a c t g t t a a t t t t t a t      180
g t c g t a t t t g t t t g a g t t t t g t t a t c a t a t a t t a c a c g t a a a c a g a c a a a c t c c g t a a t      240
a t t a t g a t g g t a t a t t t t t t t a t a a t a t g c t t a g a t t a a a t c t t t a t t a a c t a c c a a t t a      300
t a a a a g t t t t g t t t g t t c a a c a a a c t t t c a a a c c a g t c t t g a c g t c t t t t a g g t t t t a      360
a c c a t t t t a a a a a a a a t a t a c g c c a t t t a a t t t a a t c a c t g t g g a t a t a t t a a a c t t t a      420
a a t g c a a t t t a t t a a t c t a c a a t a t a c a t t t t t a a g a c t t t t g c t t c a c t t t a g t a g g t      480
a t a t a t t c a c t c t t a c a a t t      500

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<223> n = unknown

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aaaaaaatct aaattgtaaa attcttaaatt gccttatcat atttgcgagc ctgtgttcaa      120
ccataatatt tttttatata acacataaag taaaacaaag t                               161

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<210> 1404
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<213> Ctenocephalides felis

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<220>
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<220>
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<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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cgttattttat atttatattgt ttatacagaa agcnctgttg tatgaaaagt atctgaaanc      60
aacacatctc atgtaagggtt actttattgt aaaagttatt ttatatgtaa tttttaataa      120

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cattaaaatt attttgttct ttctgttaga tgaattgtgt gttanatctt gtgctgtgat	180
ttacatacaa ttttaatacag attgaaatgc aatctataaa agcattatctt caataatcat	240
tatatagtaa ttttgatttt gactatttgc agataaattc attacatttt aaaatgttta	300
ctttattaag ctatacaaac cttgaacttt acacttttga tttctagaac ataagtatta	360
aataaattgn taaaaatatt tgnggctaga ttttcctatt gntaattgng tg	412

<210> 1405
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 <212> DNA
 <213> Ctenocephalides felis

<220> .
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 <222> (68)..(68)
 <223> n = unknown

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 <223> n = unknown

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 <222> (140)..(140)
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 <223> n = unknown

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ctatatcctt atctatctat ctattaggtc aaccaataaa attaagcgtt aatgaataa	120
ttttgattag aacaaatatn ttcatggatt taaaaaaatc taaattggaa aattcttaaa	180
tgccctatca tatttgcgag cctgtgttca accataatat ttttttatnt nacacataaa	240
gtaaaacaaa g	251

<210> 1406
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 <212> DNA
 <213> Ctenocephalides felis

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 tcttaatcca acatcgaggt cgcaatctat tttgccgata tgttctctta aaaataatta 180
 cgctgttata ccttaagtaa cttaatcttt taatcataat ttatggatca attattcaat 240
 tatttatggt ttaataaaaa aaaagtttta taaattttcc tatcacccca ataaaatata 300
 ttaatataaa taaaaaaaaa aaaaaaaaaag cttgcacaaa aaaaaaaaaa 350

<210> 1407
 <211> 477
 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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<222> (160)..(160)

<223> n = unknown

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<222> (367)..(367)

<223> n = unknown

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catttttttat cgcnnntttat tattgaaatg cccacaacan gtatacat 180

tatatgggtat tagtagtata taaataatta tttacttcta ctaattaata ttgncgaatt 240

catattctat ttccatccct atcccttttt tataaatcgt gtttcaataa tttacctcaa 300

aatgagatct aaaatatgaa gaaatgatat acannttcat ctatacttat atttttaaag 360

tgcacantta ataataaaaa gattatttta ctctcgttct tgagaattga gatttggtct 420

ttggcaatac acgtaacaat attctgactt ttcatagctt ttaatataag taaaagt 477

<210> 1408

<211> 500

<212> DNA

<213> Ctenocephalides felis

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<222> (52)..(52)

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<223> n = unknown

<400> 1408

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aatcagaaat tactatagtt aatgacattt tgtttgtgct ccttacataa aatacaantt 120

tatacntttt aatttttata catatttttt atatttaatt gcacanatca tttgngtatt 180

tattatatta attgactact ttatgataat ttgaatccta attagtctat tcaagattgt 240

tttcctgggt taagccttac ttagcaatct cacttttgca ttcttcgccg ggtggcgtgg 300

gtatgcatcg caactccgtt ttatcaaagt gcaagccatt tggacaatca taatgtttta 360

tttgccattt gntggtaacc aagaaacatt gataatattt ttacaatct cttcatcgga 420

aaaaacgttt tcaactttgca tgcagttctg ccganaaaga tttgggtaaa ccatccgttg 480

cgcgctttac atttnantcc 500

<210> 1409

<211> 425

<212> DNA
 <213> Ctenocephalides felis

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<220>
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 <223> n = unknown

<400> 1409
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 aacattaccg ataagtagaa aataatataa ctaacagttt gtaatatgct ataaatctta 120
 aaacaacact cttgtaacaa aatattatag ggagatattg aagtgaact ttaaaggtaa 180
 atagaaaaga aagcatttgg ttgaaaatga tgaaatttgt ttcaaaactt ctgaactttt 240
 ctagaaacgt tgcaaaactgt ctgaatttat tgnaaattat caatgtaact tttgcagttt 300
 tattttacgaa gtttctactcc tccgcactat tttttttttt gcaaataaat ttaagatttt 360
 atgattttttt ttgtgaacaa cgtgcagtat ttttgnatgg atataaaaata ataaatctac 420
 acatg 425

<210> 1410
 <211> 423
 <212> DNA
 <213> Ctenocephalides felis

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<400> 1410
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 aaaaaatnta gtacatatatt tgatgggttac aggaacatgt accccttcag tatttctttt 120
 attttcaatt acgaaaatca gaaaacagtt attccaagat catgggttctt gtgcccttct 180
 ttaagcttat ttcctatcct aaagtgnata ctattactac ctaaactgcg atgatatttg 240
 tgatgaatga tgttgacatg atgtccgaag acgttggcta agatgcggta taattctgtc 300
 ctggcatcat cgttcccttt cctggnaatc ttacttggtt cccaatcttc agcacgggag 360
 cctaacgtgg agcagcttcc gagccanttt ttaaagaccc ttacagggcc ggtgttttta 420
 gtg 423

<210> 1411
 <211> 422
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (350)..(350)
 <223> n = unknown

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 <223> n = unknown

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 ttataaaaga attgggattt gtgcatttca tgacggngca atcagcttct gacgatttct 120
 ttttacacat attttttagaa tgatcatata catagttagg ngggcattcg aaaacctgac 180
 ctttaccatc tttgcagaat aagtatcttg tgcagctttc ggatctggct gatatacctac 240
 aaccgcgcac gtagtttctg ccgcttacag ttttccccag gttttgatga gcacatatca 300
 tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattggtgn aattgggggt 360
 tcttgtnac gccaaattca aagtagaaca atcgtgacaa aatgttcaa ctgcttatta 420
 gt 422

<210> 1412
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (335)..(335)
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 <222> (463)..(463)
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 ggggggaaaag atacatgtaa tttcataaag cttctatatt tatatatattt aaataatcag 120
 aaattactat agttaatgac attttgtttg ngctccttac ataaaataca annttatata 180
 ttttaacnnt tatacatatt ntttatattt aattgcacan atcattnngn gtatttatta 240
 tattaattga ctactttatg ataatttgaa tcctaattag tctattcaag attgcnttcc 300

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tggtttaagc cttacttagc aatctcactt ttgcnttctt cgccgggtgg cgtgggtatg	360
catcgcaact ccgttttatc aaagtgcaag ccatttggac aatcataatg ttttatttgc	420
cattgnngnt aaccaagaaa cattgataat tttttttaca atntcttcca cgggaaaacg	480
cttnactttt gcatgcagtt	500

<210> 1413
 <211> 108
 <212> DNA
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tggtcaacca taatattttt ttatatnaca cataaagtaa aacaaagt	108

<210> 1414
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

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 <223> n = unknown

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 gctgctgagt tgctccatct cctttttagt ttcaggatca ttcacatctt tcggtaaaac 180
 catgattaat aataatggca acaccatcat taaaatcata ggattgaata ggaaatcagt 240
 aattttccat tgntccctta cttgaaaata tctgaatttt cctaattgtt ttaattctta 300
 aggggatggc acttgatga cttgagatgt ttgtatgtga ttcactttgc gtgctctgaa 360
 ttttccttta gaggtaattt ctactctaac aggctcatac atataatttg aggtaactgc 420
 ttccaatccg taagaccaga tgggacattc ttatacaaag gngccggctt ctttcaaaac 480
 ccttatataa gccccgtc 498

<210> 1415
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 <212> DNA
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 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 <222> (262)..(263)
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 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 <222> (443)..(443)
 <223> n = unknown

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 aaaattaggg ggggtgtaaat ataatatatg gtattgggat taacttagtt aattctccct 120
 cgcactttta tactatagta accagaaaca aaaatcagag tggggtaaaa tgtaaattca 180
 tatatttttg gtgaaaatac aatcaagata taacaggcca caatattatt aaaatccgtn 240
 tttgtgacga aacctaaagt gnngtcagaa tataaaaaac aataatattt ataccttcaa 300
 atgnatgctt tgaaaaaaag cattcgaaga ttttgggttaa atattttgnt nagccacatt 360
 tatgtttgtc gtcaattaa ttatgntcct ttgcangnaa gattatgttg tagatattgc 420
 acaanattag tatattttat gtnattttta gcatattggt attttttggg aatcgggacta 480
 ttgcaccana ttaataaatg 500

<210> 1416
 <211> 186
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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 <222> (63)..(63)
 <223> n = unknown

<400> 1416
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 ggncataacc ctttctcctt catagacttg aattgttact gcaggctgat tgtctgcatg 120
 agtgctgaag gtttgtgttc tttacatgg aattcttgca ttgcgttcaa taatcttagc 180
 cattgt 186

<210> 1417
 <211> 498
 <212> DNA
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<220>
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 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaattt cattaccacg      180
gctaacagtg ataccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa      240
gatgctgcca gagcaattcc aaaagaagct acagaggtcc aacgtcttcc tattctgtcg      300
ctggagaaac gtcctagtag atatgctggt aattctactg ccgattgata taaaaagttg      360
agaaatggat tacctccata ttgctcacgt tcaaaattaa tgtaaaatac gtcacggaac      420
atacaatcca gcaaagcaca ataagtgtag tatttctagc taaacgtaaa ctagaaaata      480
aactcatgat tccgtaaa                                         498

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<210> 1418
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<212> DNA
<213> Ctenocephalides felis

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<220>
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<223> n = unknown

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<220>
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<222> (63)..(63)
<223> n = unknown

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aangaagtat ggatcggtaa tagcncntt ttaagctcat tcataaatac tggataatta 120

tttcattttt tatcgcnttt attattgaaa tgcccacaac angnatncat tcaaaatcaa 180

actatatggg attagtagta tataaataat tatttacttc tactaattaa tattggcgaa 240

ttcatattct atttccatcc ctatcccttt ttataaatc gtgnttcaat aatttacctc 300

aaaatgagat ctaaaatatg aagaaatgat atacancttc atctatactt atattttaaa 360

agtgcacaat taataataaa aagattatatt tactctcgtc ttgagaatng agatttggtc 420

tttggcaata cacgtaacaa tattctgaac ttttcatagc ttttaatata agtaaaag 478

<210> 1419

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catgcaaaaag tgaaaacggt ttttccgacg gaagagattg taaaaaatat tatcaatggt	120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg	180
ataaaacgga gttgcgatgc ataccacgc caccggcga agaatgcaaa agtgagattg	240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc	300
ataaagtagt caattaatat aataaatcac aaatgatctg tgcaattaaa tataaaaaat	360
atgtataaaa attaaaatgt ataaaattgt attttatgta aggagcacia acaaaatgtc	420
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<210> 1420

<211> 498

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (391)..(391)

<223> n = unknown

<400> 1420

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catgcaaaaag tgaaaacggt tttccgacg aagagattgt aaaaaatatt atcaatgttt	120
cttggttaac aacaaatggc aaataaaaaca ttatgattgt ccaaattggc tgcactttga	180
taaaacggag ttgcgatgca taccacgcc accggcgaa gaatgcaaaa gtgagattgc	240
taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca	300
taaagtagtc aattaatata ataaatacac aaatgatctg tgcaattaaa tataaaaaat	360
atgtataaaa attaaaatgt ataaaattgt nttttatgta aggagcacia acaaaatgtc	420
attaactata gtaatttctg attatttata atatataaat atagaagctt tatgaaaata	480
aaaaaaaaaa aaaaaaaaaa	498

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 aatcaaaat taaatacgag taacaaaagt agtaaacaaa tagaattagt tctaattctt 180
 ttacacctaa aaactatttt agataaattg agtagatcgc cattttcttt taatttaata 240
 aattcttttt tatgatgtat taaatattca tatatcggtt atttaaatgt ttccggtatc 300
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<210> 1422
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 <212> DNA
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 acaagaattg gaagctttcc cacagagtta ataatagcac ctattatggg aaatccaatc 180
 gcatatccag cttccaacat taaagaatgc ataaatgcct gttcttccat tgtgtcttta 240
 cactcgggtcg tactattcgt agtatcaatg aagtcgccgc ccaagcattg atgaattttg 300

gacaacgtag catattgt

318

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 cttgaattac ttcttattct ttggaacctc taaaagttct tccagtagtt catccatagc 180
 ttctatcaag ctagtacgat aattttcatt gttctccatg agatccaaaa cagtctgctt 240
 tctcattcca ttaacagtac gatcaaactc ctcagaatcg tgacttaaaa ctgccagaat 300
 ttctggaggc atttgagtaa gaggcaatgt catcacgcc aaaatttttag cgcacaaaacg 360
 caaatcatct gtgctatcat caaactcttg tcaggaatta tatcatttac atccaaattg 420
 ccttcgtaat ggtttctaca aatgctgctc tgnagaacct tttcaattcc tcatagtgtg 480
 gctctgaact ctggatgt 498

<210> 1424
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1424
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 ctcttataga tgctgatatg ttcagaggaa ttggatctct tagcagtttg aatctcagta 120
 gtaatggaat agtagaaatc tatccaagag ctttcgataa tttgattgac ttgagattta 180
 ttgacttgac acataatcta cttactttct tacctgacaa cgtcttccaa aataatgatc 240
 atttgatgt tatttaaaatt tctaacaacc cgaatctcat gaatttgcct agatttcatt 300
 caaatttgct atcgtttacc acttatatgt ttgaagcagt aaattgcgga ttacttagct 360
 tagacaaaca tacatttgct gaaatgcctt ccatggctca actgaattta gctcagaact 420

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cgatcaaaga tttaaaatat aatattttct ggcatatgcg caatttaatc agcttagatt 480
tgagtaataa taaaatca 498

<210> 1425
<211> 269
<212> DNA
<213> Ctenocephalides felis

<400> 1425
agatctacta atgccgcggt taccactgtc acagcaattc cgcaaaccag caaccacaaa 60
tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg 120
catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180
attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt 240
tcttcattg tgtctttaca ctcggtcgt 269

<210> 1426
<211> 313
<212> DNA
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<222> (63)..(63)
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<400> 1426
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cgnggcataat tttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc 120
atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
aaactttggg ctctgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240
tttgaacggt acaaccgat ttctcgcaac acattttttc tcggttagtc gagtcacaac 300
tttctttaac cgt 313

<210> 1427
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<212> DNA
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<220>
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<222> (37)..(39)
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<221> misc_feature
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 tagaactaac aaattcactc aaggtttcca aaacttgata gatgcctacg gagttgctag 180
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<210> 1428
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 <212> DNA
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 ttgattagaa caaatatatt catggattta aaaaaatcta aattgtaaaa ttcttaaatg 180
 ctttatcata tttgcgagcc tgtgttnaac cataatnttt tttntntaa cacataaagt 240

aaaacaaagt

250

<210> 1429
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 <212> DNA
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 cattcacata aaaaatattt aaaatatgta aactagcttg catgtttatt gtaagccagt 180
 ctataatcta ttattgtttg cactttactt aaatttaagt 220

<210> 1430
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 ataacgaatt gaccttctta gctggtgaaa taatccatat gctagatgat tcacatccta 120
 attggtggaa aggatataat caacatggag aagggtttatt tcttgcaaac tttgtaactg 180
 ctgatttatc agttgaacca gaacanttta gaattgatgc taacaagaaa tctgttcant 240

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tttctgatgc tgttcaagtc aaaactatat ctcatgatga tgaaaccagt cctgaaatta	300
atgaagaaag tatagatact ttattaaatt tattacatga agcaaaccct gaagatccta	360
atgatgatac agagcaaagt ctcaacttag aagttcaagt aaataaaatg ggccctctga	420
ttgatgctga attagaaaat attgacagga aacatgctca acttacgcaa ttgagtggcg	480
attagtagaa gcacttaa	498

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aaaaaagtaa aatttagttg cgtgaattcg tgcagttcac ccgaaatgca gtattgtccg	180
gaaataggag canatccggg taaggaatcc tgtagcccac atcaagtgtg cgctgatcaa	240
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<210> 1432
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 <212> DNA
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 <222> (65)..(65)
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<220>
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 <223> n = unknown

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taaantaaag tgcgttttta ctatttttat tttttatgta aaaatattta ataaattatt	120

FC-8-C3.ST25.txt

aagtatTTTT ataaagatta ttgtatgttt ggattcatga gcaataagtt ctaatatagt	180
tcttaaccat acagtcacta catagcctaa atcgtccttt tgacaaaata atactttcac	240
aaacactttt cacaaaattc ttacgagtca gttttattcg aagtgtcgct gttcttacga	300
ataatatcta cattgttcgc ctttttttct tggcgcctag tataagccan atcacttggt	360
ggaattgaat ttttagtgat aacaatacga ggtttttctg cattgg	406

<210> 1433
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

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 <223> n = unknown

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 <222> (63)..(63)
 <223> n = unknown

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tgtgatagag aactctatgt aactaataca tttgctattg gacgtgcagg cgaagtcata	180
ggcacatttta tttttggaca attaggagat aggattggaa gaagaccagt attttactta	240
agtctcatca caatcgtcac cggaagacta attacagcat ttacttccag ttggtttatt	300
gtttttataa cagcggcttt tcttggttca ctaacatcta catctgtttt tcaaagccct	360
ttgataattg cgatggaaat atccagaagt gaagatagag cacacattgc catgatgcag	420
tccatcgggt ggccagtgga atgattctta tgccgtactg atgtgggcga cgcgagatgg	480
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<210> 1434
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 <212> DNA
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<220>
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ccgaaatgca agtattgtcc ggaaatagga gcanatccgg ttaaggaatc ctgtagccca      120
natcaagtgt gcgctgatca aagtggatat ctacagtgca ccactaaaga aagt              174

<210> 1435
<211> 204
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (31)..(32)
<223> n = unknown

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ggccaatcga atccttccta aatgttattg aaactgaaga agcacctcca acctttaata      120
gaactaaca attcactcaa ggtttccaaa acttgataga tgcctacgga gttgctagtt      180
acagagaagt aaatccagct ctgt              204

<210> 1436
<211> 498
<212> DNA
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<220>
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<222> (493)..(493)
<223> n = unknown

<400> 1436
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tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaatth cattaccacg	180
gctaacagtg ataccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa	240
gatgctgcc aagcaattcc aaaagaagct acagagggtcc aacgtcttcc tattctgtcg	300
ctggagaaac gtctagtag atatgctgg aattctactg ccgattgata taaaaagttg	360
agaaatggat tacctccata ttgctcacgt tcaaaattaa tgtaaaatac gtcacggaca	420
tacaatccac aaagcacaat aagtgtagta tttctagcta aacgtaaact agaaaataaa	480
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ttttttatat ttaattgcac anacatttg tgtatttatt atattaattg actactttat	180
gataatttga atcctaatta gtctattcaa gattgttttc ctgggttaag ccttacttag	240
caatctcact tttgcattct tcgcggttg cgtgggtatg catcgcaact ccgttttacc	300
aaagtgcagg ccatttggac aatcataatg ttttatttgc catttggtgn taaccaagaa	360
acattgataa ttttttttac aatctcttcg atcggaataa acgttttcac ttttgcattg	420
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 <223> n = unknown

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 ttggtaaaact accatttagg ttcagtcaag ttagtttttg accttaacat atctaacaaa 180
 tcaattatac catcaaattg ggcatgagac gctttgctgt tcattctctac catcattggt 240
 gaactccctt cacacaacgc ctatattgtg aacgcttttt tggccataaa ctcatgaaat 300
 atcatgggac aaccaacgta ttactanac ctatccttct gtaaattatt tattgcatgg 360
 atacttaagt atagaattac aagtaatact attgttagat acctctttgg atcgatagat 420
 tccactaaca atgtttgtaa gaaaaaacg ccaaaggagc tgaagaatat cttataaag 480
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<210> 1439
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 cattttcatt atattttctaa tctaataatcc ccaaatttca actaanaagn taaatccttt 180
 gccagtctga gaagatagga gtaaagttac atttttccag ccaacccac cattgacaag 240
 agtggcatag cctccttggc atttacatat tgggtccaggg cacgtacaca actgattgng 300
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<210> 1440
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 <212> DNA
 <213> Ctenocephalides felis

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<220>
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 <222> (38)..(38)
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 gcagttgtgg atgggcttat ttcattcattc gttgactgtg gttggtcgtc tttaacgtca 180
 ctgtctggga aagcaatagt aaaagtatga ttatgagtga atatttattt gctcgactat 240

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283

<210> 1441
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<212> DNA
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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<222> (428)..(428)
<223> n = unknown

<220>
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 <222> (499)..(499)
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<400> 1441
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 gttgaatggt ttatctaaat agtanaatct taattctcta ttacgtgtac atttattacg 120
 tgtatgtatc ggaatgnnta tgcaacttgc cttaggcaa agngctactt acaactatag 180
 ttaacattca ttttggcatt tatatcttct gngacaatcc aaaataatac ttaaattatt 240
 tctatcatga tatatgatac gcgtgataaa attcacataa tctatattat tttgctatta 300
 atattaactt aattcttaaa tttatttctt atttttcatt ttaaccacg ccatctcggc 360
 aagccatggt atacagcaaa tgagtaaaca cacagtcaag gcatggaaac atattatgta 420
 gctgnggntg catctcgaat aaaccaacg attggcccaa agccaatgca ttattccttg 480
 caagaacatg aacagccgna 500

<210> 1442
 <211> 476
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (62)..(62)
 <223> n = unknown

<220>
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 <222> (81)..(82)
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<220>
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 <222> (84)..(84)
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<220>
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 <222> (109)..(109)
 <223> n = unknown

<220>
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<223> n = unknown

<400> 1442

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antatggatc gttaatagca nncnttttaa gctcattcat aaatactgna taattatttc      120
attttttatac gnttttttatt attgaaatgc ccacaacaag tatacattca aaatcaaact      180
atatgggtatt agtagtatat aaataattat ttactttctac taattaatat tgtcgaattc      240
atattctatt tccatcccta tccctttttt ataaatcgtg tttcaataat ttacctcaaa      300
atgagatcta aaatatgaag aaatgatata caanttcac tatacttata ttttaaaagt      360
gcacaattaa taataaaaag attattttac tctcgttctt gagaattgag atttggtctt      420
tggcaataca cgtaacaata ttctgaactt ttcatagctt ttaatataag taaaag      476

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<210> 1443

<211> 498

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (37)..(38)

<223> n = unknown

<220>

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<222> (62)..(62)

<223> n = unknown

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<222> (66)..(67)

<223> n = unknown

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<222> (283)..(283)

<223> n = unknown

<220>

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<222> (346)..(346)

<223> n = unknown

<400> 1443

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tgaaatgtga agacgacgtc aacgaatggg ttgaccnnaa atctttctcg tgcagaactg      60
cntgcnnaag tgaaaacggt ttttccgac gaagagattg taaaaaatat tatcaatggt      120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg      180

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ataaaacgga gttgcgatgc ataccacgc caccgcgcga agaatgcaaa agtgagattg	240
ctaagtaagg cttaaccag gaaaacaatc ttgaatagac tanttaggat tcaaattatc	300
ataaagtagt caattaatat aataaataca caaatgatct gtgcanttaa atataaaaaa	360
tatgtataaa aattaaaatg tataaaattg tttttatgta aggagcacia acaaaatgca	420
ttaactatag taattttctga ttatttaaaa tatataaata tagaagcttt atgaaattaa	480
aaaaaaaaaa aaaaaaaaaa	498

<210> 1444
 <211> 358
 <212> DNA
 <213> Ctenocephalides felis

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<220>
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<220>
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 <222> (141)..(141)
 <223> n = unknown

<220>
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 <222> (247)..(247)
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<220>
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 <223> n = unknown

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 <223> n = unknown

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ttttaataaa cattaaaatt atttagttct ttctgttaga tgaatngtgt gttanattctt	120

```

gtgctgtgat ttacatacaa nttaatacag attgaaatgc aatctataaa agcattatTT 180
caataatcat tatatagtaa ttttgatttt gactatttgc agataaattc attacatttt 240
aaaatgnntta ctttattaag ctatacaaac cttgaacttt acactttgta tttctagaac 300
ataagtatta aataaattgn taaaaatatt tgnnggctaga ttttcctatt gctaattg 358

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<210> 1445
<211> 443
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (24)..(24)
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<220>
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<222> (350)..(350)
<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<222> (394)..(394)
<223> n = unknown

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<220>
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<222> (440)..(440)
<223> n = unknown

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tatgtttcca ttgcttgcag attcacaaca taaaacgtga tgcttatgca aaatttcatt 120
accacgggcta acagtgtatc caaattctgg agggattcat cattggcaat gcatataaga 180
atggaagatg ctgccagagc aattccaaaa gaagctacag aggtccaacg tcttcctatt 240
ctgtcgctgg agaaacgtcc tagtagatat gctggtaatt ctactgccga ttgatataaa 300
aagttgagaa atggattacc tcccatattg ctcacgttca aaaataatgn aaaatacgtc 360
acggacatac aatccagcaa agcacaataa gngnagtatt tctagctaaa cgtaactaga 420
aaataaactc atgattccgn aac 443

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<210> 1446

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<211> 415
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (30)..(31)
 <223> n = unknown

<220>
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 <222> (103)..(103)
 <223> n = unknown

<220>
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 <222> (263)..(263)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (273)..(273)
 <223> n = unknown

<400> 1446
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 ccgatttcaa cctagctaaa gaatacaacg actcctaccc gngggttttt aacatcattt 120
 tatgggttcgg agtagccttt ttcttctcgt tacttgctat ctgtatctcg atctccacaa 180
 tggaccctgg cagggactcc attattttaca gaatgacatc cacacgcac aagaaggaga 240
 attaaagttt gcgaaaggag tgnntttta tgnaaataga ttgggttagta ttattacaat 300
 gtaacgaggt attaatattgt gatcaatata aattaaaatt aaaatcaata tcttttggtga 360
 aatcgaaata ttgggtctatt atatttttgg ttacattcct agtattaccg aattg 415

<210> 1447
 <211> 419
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (28)..(28)
 <223> n = unknown

<220>
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 <222> (58)..(58)
 <223> n = unknown

<220>
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<222> (94)..(94)
 <223> n = unknown

<220>
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 <222> (158)..(158)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (258)..(258)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (297)..(297)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (348)..(348)
 <223> n = unknown

<220>
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 <222> (411)..(411)
 <223> n = unknown

<400> 1447
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 taaaagaatt gggatttggg catttcatga cggngcaatc agcttctgac gatttctttt 120
 tacacatatt tttagaatga tcatatacat agttaggngg gcattcgaaa acctgccttt 180
 accatctttg cagaataagt atcttgtgca gtctttcgga tctggctgat atcctacaac 240
 cgcgcatgta gtttctgncg ttttacagtt ttccccaggt tttgatgagc acatatnatc 300
 tacacaaaat ggagcatcgg aatttgagtc tctgcaattg attggtgnaa ttgggggttc 360
 ttgtcagcgc caacttcaaa gtagaacaat cgtgacaaaa tgttccactg nttattaat 419

<210> 1448
 <211> 318
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (1)..(1)
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<220>
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 <222> (18)..(18)
 <223> n = unknown

<220>
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<222> (24)..(24)
<223> n = unknown

<220>
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<222> (26)..(26)
<223> n = unknown

<220>
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<222> (67)..(67)
<223> n = unknown

<220>
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<222> (87)..(88)
<223> n = unknown

<220>
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<222> (132)..(132)
<223> n = unknown

<220>
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<222> (203)..(203)
<223> n = unknown

<220>
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<222> (208)..(208)
<223> n = unknown

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<222> (212)..(212)
<223> n = unknown

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<222> (228)..(228)
<223> n = unknown

<220>
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<222> (243)..(243)
<223> n = unknown

<220>
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<222> (276)..(276)
<223> n = unknown

<220>
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<223> n = unknown

<220>

<221> misc_feature

<222> (286)..(286)

<223> n = unknown

<400> 1448

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gcaggggnagc ttctatatatt atatatnnca aaaaatcaga aattactata gttaaatgac 120

attttggttt gngctcctta cataaaaaaac aattttatac attttaattt ttatccatat 180

tttttatatt taattgcaca gancattngg gnatttatta tattaatnga ctactttatg 240

atnatttgaa tcctaattag gtctattcaa gatggntntc ctgggntaaa gccttactta 300

gcaatctcac ttttgcac 318

<210> 1449

<211> 338

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (26)..(26)

<223> n = unknown

<220>

<221> misc_feature

<222> (79)..(79)

<223> n = unknown

<220>

<221> misc_feature

<222> (85)..(85)

<223> n = unknown

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<222> (90)..(90)

<223> n = unknown

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<222> (289)..(289)

<223> n = unknown

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<222> (319)..(319)

<223> n = unknown

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<222> (331)..(331)
 <223> n = unknown

<220>
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 <222> (333)..(333)
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<400> 1449
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 cattctaaaa atatgtgtaa aaagaaatcg cagaagctga ttgcccgcat gaaatgcaca 180
 aatccaattc ttttattacc tatgcccggc ccatcaattt atgcttggtg caatgacaat 240
 tgcacccgtc gtttttatat aagaaactat ttattatttt tagaattgna aaaaatagca 300
 ctatttattt tattatggng aatttatttg ngntgtta 338

<210> 1450
 <211> 411
 <212> DNA
 <213> Ctenocephalides felis

<400> 1450
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 aatgcttctt ttgcctggg aatcggtttt actaaattat tgaattggat ttcttcgtcc 120
 acttcaataa gcccaatatc ggcgtatacg gtttttaggat tatactcttc atgtacaata 180
 tattttttga catcatagta acgacctcct ttgttttagtt tgttggatcc gacgtagatg 240
 gaactcaaac ggcctgcgac tagacaatgt gcagcagtaa gaaccattt ttcattaaga 300
 atcgatccac cacaaaaatg tttcaagaat ttatctotta aagataactg aaatggagca 360
 gaaccaggag cggcgtctgc acctccaaca attctggtgt ggcattggag t 411

<210> 1451
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

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<400> 1451
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aacagtcttc ttgtgataat ttcttgacgg ccgtatctgt agactttgat acaccttttt      120
tcggtaagct ccagaacacc tgatccctgc cgaatacgtg agcttcagtt agcgtttccg      180
gtaacttttg gtgtaaagtt tccggcaaga acattccgga agtcgcgccc accatcatca      240
ttacggaaag tacagcgtae gggatatctgg cgtcatatgt ggttccctgt gatgaaacga      300
aaatatttaa atcaggtttc tgctgtttac tcggcatagc tcaatgtcac ttgcatgata      360
ataccggtgc ttgccttttt ttacataaaa tgatagtttt taaatagagt atatttgatg      420
actacaaagg cgaaatggaa tagaaatcgt ggtcatatga tgaaaacatt ggggtaattc      480
atcaaagata taaaacat                                     498
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<210> 1452
<211> 500
<212> DNA
<213> Ctenocephalides felis
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<220>
<221> misc_feature
<222> (161)..(161)
<223> n = unknown
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<220>
<221> misc_feature
<222> (407)..(407)
<223> n = unknown
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<400> 1452
cctgcaaaat ggtaggactg ctcaatattg ttttattagc ttttgcattt gttaactttt      60
ctttgtaatt ctcaattctc cataccatgt gcccgttcc attaaccggt tcaactcaaag      120
ccttatggaa ggcccttgca tcttctgcat cttttatctg ntgtgacaat tgcgccacca      180
atctctcttg tttaaccaat tgccgactta atttatcaa aatatctgta ttatcttgaa      240
ctgtgctttt catagatttc aattcgata aaaaagaagc tattcgagct ttttgtttgt      300
ccaactcgtc tgccgttttc gtatgatctt cataaaagtt ggaagccact tctcgtctcg      360
ttttttgggc atctttttgt aattgtatta ctgattgcgt atgagancca tgtcttgtct      420
aactcattta ctcttgcgaa gtttttatcc tgccgttaat acgacctcga cttgggttct      480
tggtttcttc atctagtatc                                     500
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<210> 1453
<211> 251
<212> DNA
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<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (2)..(2)

<223> n = unknown

<400> 1453

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taacagtctt cttgtgataa tttcttgctg ccgtatctgt agactttgat acaccttttt      120
tcggtaagct ccagaacacc tgatccctgc cgaatacgtg agcttcagtt agcgtttccg      180
gtaacttttg gtgtaaagtt tccggcaaga acattccgga agtcgcgccc accatcatca      240
ttacggaaag t                                     251
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<210> 1454

<211> 383

<212> DNA

<213> Ctenocephalides felis

<400> 1454

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acaacaaaca tctggataaa atcaacgtta tcaaaattaa caacaaatta attaaaaatat      60
tggaatgtag ttgtcaatct tggtcctgtg cttttgagca acgcactcac ttatccaaac      120
aatgttacgg cactcttggt ccttgagttt caaataagag taaaagactc cgaaatggga      180
ttgttgcaag aaagcaaaca cattgagatg aacctcatgt tcaaagaatt tatcttcaag      240
tgttttgtcg ccggtccatc gccagagcct tcgaataaag cagaatactc agcataatat      300
tcagctcagc ttttaacttg cataatcatc agcacgagcc agagcagcta aaccgtctgg      360
gttttagttta ccacaacggg ggt                                     383
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<210> 1455

<211> 304

<212> DNA

<213> Ctenocephalides felis

<400> 1455

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caacttttaa tgatattcaa cttcaaactc acgtggctaa tattttccaa gttgatagaa      60
gtaaaattaa aataactcat acacctgaaa cttcagtaac tattctctct tgatttcagt      120
attaaaaatat aataacaaaa agtgataatg taattttggt catgagtttt tgctgaaatg      180
atctgaatat ttacctgttt tcgaattacc aaacattgaa aagttaaaaa taaaaaatat      240
ttattacttt aattttatatt agcatatgaa caattcatat tgtttaactta taataaataa      300
tagt                                     304
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<210> 1456
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (85)..(85)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (396)..(396)
 <223> n = unknown

<400> 1456
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 aactgcattt tatcataaaa attgntataa ttttttttta taaataataa ttattattat 120
 tatcctgaaa aattttgaga attgacaatt tccatacatt atgccactga atcataccga 180
 attctgtcaa aatatcatgt atttgctgtg cattcaggcg ttttacacat aaactgcaac 240
 cgtcaatcgt atgttatgaa gctgagtcag aaagaccatg ttatataaca tcgttttttg 300
 acgtttgtgt gggtttctggg tttttatgtg ataacttgag aaatcgcctg actgcagagc 360
 aaccgcatgg cttttgcaat attcagtatg gaaagntgtc gtatcatagc cttgcataac 420
 ataagtctgt tatgcgggccg aatcggccat taatattaaa ttttgatgtg attttttagaa 480
 taaaatatgc tcagtgtt 498

<210> 1457
 <211> 466
 <212> DNA
 <213> Ctenocephalides felis

<400> 1457
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 ttaattgatg tcgaccctac gttgtcgcaa tgtttactaa ctttcaaatt cttgtaactt 120
 ttaaactgtt tgtttaattt aaatgaaata tttggcaaat ttgttcaaaa ttaaatagtc 180
 tataactttt tctaacatcc taagtccata gagcaactcg gtatactgaa aaattaataa 240
 ttttaaattg atgtcgacac tacgttgctg caatgtttat taactttaaa attcttgtaa 300
 cttttgaatg gtttgtttaa tttgaatgaa atatttgga aatttgtttg aaattaaata 360
 atttacaact ttgctaacat cttaagtcca tagagcaact cggatatactc ataaattaat 420
 aatttctgat tgatttcctg aaagatttac tttgtaattg gtgaag 466

<210> 1458
 <211> 92
 <212> DNA
 <213> Ctenocephalides felis

<400> 1458
 caaacgaatt acaacaagtg gaaaccactg taataacaaa cgaaaagtgc tacgaattgt 60
 ctcaattcgt tgaaccaact tcgcaaatat gt 92

<210> 1459
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1459
 gggatatctgg cgtcatatgt ggttcccaag tatacaatgt atgggcctaa tactcctaatt 60
 gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatgtt 120
 tccattgctt gcagattcac aacataaaac gtaatgctta tgcaaaatct cattaccacg 180
 gctaacagtg ataccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa 240
 gatgctgcc gagcaattcc aaaagaagct acagaggtcc aacgtcttcc tattctgtcg 300
 ctggagaaac gtccatagtag atatgctggg aattctactg ccgattgata taaaaagttg 360
 agaaatggat tacctcccat attgctcacg ttcaaaatta atgtaaaatc gtcacgggaa 420
 atacaatcca gcaaagcaca ataagtgtag tatttctagc taaacgtaaa ctagaaaata 480
 aactcatgat tccgtaaa 498

<210> 1460
 <211> 419
 <212> DNA
 <213> Ctenocephalides felis

<400> 1460
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 ccgatttcaa cctagctaaa gaatacaacg actcctaccc ggtgggtttt aacatcattt 120
 tatggttcgg agtagccttt ttcttctcgt tacttgctat ctgtatctcg atctccacaa 180
 tggaccctgg cagggactcc attatttaca gaatgacatc cacacgcac aagaaggaga 240
 attaaagttt gcgaaaggag tgtttttaat tgtaaataga ttgttttagta ttattacaat 300
 gtaaccgagt tattaatttg tgatcaatat aaattaaaat taaaatacaa tatctttggt 360
 gaaatcgaat tattgttcta ttatatTTTT gttttacatt cctagtatta ccgaattgt 419

<210> 1461

<211> 493
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (31)..(31)
 <223> n = unknown

<400> 1461
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 ttactatagt taatgacatt ttgtttgtgc tccttacata aaatacaatt ttatacattt 120
 taattttttat acatattttt tatatttaat tgcacagatc atttgtgtat ttatttatatt 180
 aattgactac tttatgataa tttgaatcct aattagtcta ttcaagattg ttttcctggg 240
 ttaagcctta cttagcaatc tcacttttgc attcttcgcc ggggtggcgtg ggtatgcac 300
 gcaactccgt tttatcaaag tgcaagccat ttggacaatc ataatgtttt atttgccatt 360
 tgttggttaac caagaaacat tgataatatt ttttacaatc tcttcgatcg gaaaaaacgt 420
 tttcactttt gcatgcagtt ctgcacgaga aagattttgg gcaaaccatt cgtgacgtcg 480
 cttcacattt cag 493

<210> 1462
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (79)..(79)
 <223> n = unknown

<220>
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 <222> (81)..(81)
 <223> n = unknown

<220>
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<223> n = unknown

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<222> (339)..(339)

<223> n = unknown

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<222> (415)..(415)

<223> n = unknown

<400> 1462

tttttttttt tttttttttt ttttttttcgg cccaaacgat ttattttttat taaaaagata 60

catgtaattt cataaagcnt ntatatttat atntttttaa taatcanaaa ttactatngt 120

taaagacatt ttgtttgggc tccttacata aaaaacaatt ttatacattt taattttttat 180

ncatattttt tatatnnaat tgcacaganc atttggggat ttatttatatt aattgncctnc 240

tttatgataa tttgaatcct aattagtcta ttcaagattg ttttcttggt ttaagcctta 300

cttagcaatc tcacttttgc atttttcgcc gggngggcng ggtatgcac gcaactccgt 360

```

tttatcaaag tgcaagccat ttggacaatc ataatgggtt atttgccatt tgtgntaacc 420
aagaaacatt gataatatct ttacaatct cttcgatcgg aaaaaacgtt tcacttttgc 480
atgcagtctg acgagaaaga 500

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<210> 1463
<211> 207
<212> DNA
<213> Ctenocephalides felis

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<220>
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<223> n = unknown

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<223> n = unknown

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<222> (116)..(116)
<223> n = unknown

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<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<222> (172)..(172)
<223> n = unknown

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<400> 1463
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aattcaccag gatcgtgaat ctaatgaaca tgaagaacaa ttcaacaagc accatnatna 120
caagcancac aaagctgatt atatgaatca catgagagtc accgacactt cngcaatcat 180
ggctggttct tttgctgtga tagcggt 207

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<210> 1464
 <211> 332
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (21)..(21)
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 <223> n = unknown

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 <222> (310)..(311)
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 <223> n = unknown

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 <222> (317)..(317)
 <223> n = unknown

<220>
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 <222> (324)..(324)
 <223> n = unknown

<400> 1464
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 tatgataagg catttaaaga attttacaat ttagatTTTT ttaaattccat gaatatatTT 120
 gttctaataca aaattattca ttttacgctt aattttattg gttgaactaa tagatagata 180
 gataaagata tagagttaat ataaaaatgg agaaaataaa attaaaagta agaaataata 240
 cggacttcta aatgtagggg gaagtccctt agtggcggac acctaaagtt atttataaat 300
 nactcanaan ngaananaaa aaanaaaaaa aa 332

<210> 1465
 <211> 423
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (346)..(346)
 <223> n = unknown

<220>
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 <222> (349)..(349)
 <223> n = unknown

<400> 1465
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 aaaagaattg ggatttgtgc atttcatgac ggtgcaatca gcttctgacg atttcttttt 120
 acacatattt ttagaatgat catatacata gttaggtggg cattcgaaaa cctgaccttt 180
 accatctttg cagaataaag tatcttgtgc agtctttcgg atctggctga taccctacaa 240
 ccgcgcatgt agtttctgcc gtcttacagt tttcccagg ttttgatgag cacatatcat 300
 ctacacaaaa tggagcatcg gaatttgagt ctctgcaatt gattgntgna attgggggtt 360
 cttgtcagcg cacaacttca aagtagaaca atcgtgacaa aatgttccca actgcttatt 420
 agt 423

<210> 1466
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (489)..(489)
 <223> n = unknown

<400> 1466
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 tcgacaattt tactcgtatt tatcttaaac atatttacag tatttcctca aaaactgtta 120
 aatacaataa gttaacttaa atacatggat gttctgagaa tgtggatgag ctcaagattg 180
 tagaactgag tttgatctac acaatttttg cctaaaagg tgcgactactc agaaagcagc 240
 caccgctgat tccataccgc ctacatttg acaataaaat atatgtataa tgttaaatag 300
 gattttaatg gaaaaaagcc aatttaatac tttagcatta tgaatatgta tttccaaatt 360

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attctataac cgaatttaac ctaaaatata agaaatacat attcataaat atacatatat 420
 ttttaatacaa aaaggtaact tgtgcaaaaa tgaaattcaa atcacttggt ttgctaattt 480
 aaatggttnt agattttctc 500

<210> 1467
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (157)..(157)
 <223> n = unknown

<220>
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 <222> (391)..(391)
 <223> n = unknown

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 <223> n = unknown

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 <222> (457)..(457)
 <223> n = unknown

<220>
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<400> 1467
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 agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttcttaaag 120
 tataattgca tttcacaaca caccgacggaa atatggntat ggtccatatg aagcaatgct 180
 cgtttcttcta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcaactccaca 240
 tgctatcaga gatgttctctg atattaaaaa tgttaaatcg caattataat ctagaattat 300
 tctacaaca ttgcttcaac aacacttctt aatcgacca tcattaaaga tatacatact 360
 gccattgccc ttggttggtga ggggtactcgg ncgcgatcga gcggccgccc gcaggtaccc 420
 aaggaagtca caanagaatg ggcaaggctt agctccncag cgatcaaaga taagcctttt 480
 nattagttta aactcaac 498

<210> 1468

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<211> 126
<212> DNA
<213> Ctenocephalides felis

<400> 1468
cttattgttt tatattagct ttcttattac taatcaataa aactataaaa tatgtaatac      60
tgccattttac tttaacaagaa cctagcaggt tagttaaaaa ttttctttac tataagatgt    120
tggtgt                                           126

<210> 1469
<211> 435
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (21)..(21)
<223> n = unknown

<220>
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<222> (36)..(36)
<223> n = unknown

<220>
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<222> (66)..(66)
<223> n = unknown

<220>
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<222> (117)..(117)
<223> n = unknown

<220>
<221> misc_feature
<222> (169)..(169)
<223> n = unknown

<400> 1469
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tatganaatt catttttttaa ataagtgggt taaataaata atttcattga aaagtcncat    120
caaaactttt ctccaaatat agttctataa tatttagttt ttagcctgnt atcactatta    180
gattaaatta taaattgttt gtaattggct aattgtaaag tgtttataaa tgaacttttg     240
ttgtcatttg ttatgaagat atatgtattt tgaagcatat tttttgtaac attgtgcaaa    300
tgcttatttg tttggttgta ataggaaaat aattatgatt cttattactc attaaactat    360
aataaatttt agtcccatgt taaacattac aattaagtat ctatttagca aaaaaaaaaa    420
aaaaaaaaaa aaaaa                                           435

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<210> 1470
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n = unknown

<220>
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 <222> (142)..(142)
 <223> n = unknown

<220>
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 <222> (150)..(150)
 <223> n = unknown

<220>
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 <222> (202)..(202)
 <223> n = unknown

<220>
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 <222> (212)..(213)
 <223> n = unknown

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 <222> (217)..(217)
 <223> n = unknown

<220>
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 <223> n = unknown

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 <222> (259)..(259)
 <223> n = unknown

<220>
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 <222> (286)..(286)
 <223> n = unknown

<220>
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 <222> (328)..(328)
 <223> n = unknown

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<221> misc_feature
 <222> (352)..(353)
 <223> n = unknown

<220>
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 <222> (370)..(371)
 <223> n = unknown

<220>
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 <222> (392)..(393)
 <223> n = unknown

<220>
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 <222> (411)..(411)
 <223> n = unknown

<220>
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 <222> (425)..(425)
 <223> n = unknown

<220>
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 <222> (427)..(427)
 <223> n = unknown

<220>
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 <222> (452)..(452)
 <223> n = unknown

<220>
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 <222> (456)..(456)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (467)..(467)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (481)..(481)
 <223> n = unknown

<400> 1470
 aatttcacat cgaataatat tattattctt acattctacc attccttgga atagggncac 60
 attcattttt agaaaaaat ataaatacaa ttccatttat catgttgcaa atcttcaatt 120
 ttaaaaaaat attgatccga tncattttgn gatgtttacc cgtattagcc gaaggggaata 180
 ttttggttgg ttctggtgcg gnaaaagaaa anntggnaga ttatttaatt ntctataaat 240
 ttgccgaata tttcatttna atcaaataaa ccgttcaaaa gttatnaata aatgcacttt 300

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tcctaaactc aagaacaaaa cagtgaancg ctgtgaatat ttatcaactt tnnaacaaac	360
ttttttgagn ntaccgagtt gctgtagggc tnnctatggt aggaaaatgt nttagactat	420
tcaantntct atattttctc ccaacatata tntagnttcc gcaaatnggt ttaaggtatc	480
ncaatgtacg aataaatg	498

<210> 1471
 <211> 468
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (464)..(464)
 <223> n = unknown

<400> 1471	
aactttgtct ttaccacaaa gtccttacat caactcggtat tactcataat ttaataat	60
tttaattgatg tcgaccctac gttgtcgcaa tgtttactaa ctttcaaatt cttgtaactt	120
ttaaactggt tgtttaat	180
tataactttt tctaactcc taagtccata gagcaactcg gtatactgaa aaattaataa	240
ttttaaattg atgtcgacac tacgttgtcg caatgtttac taactttaaa attcttgtaa	300
cttttgaatg gtttgtttta tttgaatgaa atatttggca aatttgtttg aaattaaata	360
atttacaact ttgtctaaca tcttaagtcc atagagcaac tcggtatact cataaattaa	420
taatttctga ttgatttcct gaaagattta ctttgaatt ggtnaaag	468

<210> 1472
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (56)..(56)
 <223> n = unknown

<220>
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 <222> (388)..(388)
 <223> n = unknown

<400> 1472	
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tcacagaca ttcccataga taaattaact tcttttgggt ctaaatttaa ttccttgcac	120

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aattgctcac gacattgttt taaagtgaga aaatctgggt tgggtcctaa acttgatatca 180
tagccatatt ttccaatagt cattaaacca tcaacaagta ggtttgggca atttttctttc 240
acatatttgt atagagttgt tgcttcattt ggggtgaacac catgtttttc tatttcacca 300
cttgatttta tttgaatcat aactcttaat ttatcaccat gaattttatt agctgaatct 360
aattttgacc aagcattctg cacactgncg gctaatttaa atgagtgaat tgtttcgacc 420
atatatatcc aggttggttaa ccccttatta attttatttc tttgaagatg acctataaat 480
gcattttatt tctttaca 498

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<210> 1473
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<400> 1473
tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg 60
catgcaaaag tgaaaacggt ttttccgatc gaagagattg taaaaaatat tatcaatgtt 120
tcttggttaa caacaaatgg caaataaaac attatgattg cccaaatggc ttgcactttg 180
ataaaacgga gttgcatgc ataccacgc caccggcgga agaatgcaaa agtgagattg 240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
tatgtataaa aattaaatg tataaaattg tttttatgta aggagcacia acaaaatgtc 420
attaactata gtaatttctg attatttaaa atatataaat atagaagctt tatgaaattc 480
atgttctttt taataaaa 498

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<210> 1474
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (394)..(394)
<223> n = unknown

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<400> 1474
cagagtgagg ggaggggaca agaagcctga ggcattctca acttcaaattg gaagttcgtc 60
ccccctcaag aggggtgggca acccggtcag aacaccgtta cagaaagcac tgcttgagca 120
gtggaacatg tctcgggaat ctcaaagata cctttagcga atacaatatc tataactgtt 180

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tgctaaaata acatttttat agacatcccc ctttaaaaat gataaggaaa atagggttgca 240
cacatatttt ctaatgcata aaaactgcag gattgggtttt cttttttatt taattttattt 300
atgtgtgaag tatgaaacaa tgcttattgc tgtgcaacct ctttggttat gtattgttaa 360
atcataaaac gtaaagatct gatttttagt ttgnttacat tttgacaaac ctgcattaga 420
attgatttgc agtgagtaat tttagagttg catttaattt catttttaaaa taataaagaa 480
aaaatgcttt acgatgca 498

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<210> 1475
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (57)..(57)
<223> n = unknown

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<220>
<221> misc_feature
<222> (203)..(203)
<223> n = unknown

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<220>
<221> misc_feature
<222> (440)..(440)
<223> n = unknown

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<400> 1475
ccatgacctc ctgtgaaata acttacagga tacccaattg ctatcaccaa ccaggcncca 60
atcatcgaat agtacataaa accaatttcgg taagggtgcaa taacttcac c atttgaatgc 120
ccatcgtgat gctgggtctt ccatacagaa ttcacagtcg tattttttacc ctcaggacaa 180
ccttcagtcg acatatttag gtnaggaaac ttcaaattac cttgagcaat gttaatttgg 240
gctccactta ccatccaact gaccaggatt agacttgctg cagctcccac caaaactccc 300
tttgtgtttg ctttagggaa caagattccc aatgtaaaca ttcccaaaag ggttcctgca 360
gtaactccag tgactaatg accaaatgca tgacgcttct aattgtctac tacaaagaca 420
aagtccgagg caaattcctn caattactac tacagcagct tcataatatt actgcagctt 480
ctcactagtg gtgactgg 498

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<210> 1476
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<220>
 <221> misc_feature
 <222> (182)..(182)
 <223> n = unknown

<220>
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 <222> (402)..(402)
 <223> n = unknown

<400> 1476
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 gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatgtt 120
 tccattgctt gcagattcac aacataaaaac gtgatgctta tgcaaaatct cattaccacg 180
 gntaacagtg ataccaaaatt ctggagggat tcatcattgg caatgcatat agaattggaa 240
 gatgctgcca gagcaattcc aaaagaagct acagaggtcc aacgtcttct attctgtcgc 300
 tggagaaaacg tcctagtaga tatgctggta attctactgc cgattgatata aaaaagggtga 360
 gaaatggatt acctccatat tgctcacgtt caaaattaat gnaaaataacg tcacgggaca 420
 tacaatccac aaagccaata agtgtagtat ttctagctaa cgtaaactag aaaataactc 480
 atgatcccgaa aactttttt 498

<210> 1477
 <211> 118
 <212> DNA
 <213> Ctenocephalides felis

<400> 1477
 catcaccgag aagaactctt cggctacgga atatcttcat tggaggcgcg ttgttggtgc 60
 acgcagcatt aacaagggttc ttgcaattca gcataatgac cagaagaaaa atacaggt 118

<210> 1478
 <211> 399
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (31)..(31)
 <223> n = unknown

<400> 1478
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 aatgcgtttt attaaaagtt gcaagcagtt aaataaaatg ttgaataaat aatagtgata 120
 aatcattgca taatgatgca actcataatt attaagtaaa ttgtctataa caactactac 180

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attatcagat ctatccgtca cttcttaata ttcaataata ttatggatat caggcctctt 240
atcactttat agatttttaa ttaatctatt taatattaaa taaaaaataa atttaaaacc 300
attaaaccga tacattgcct ttaaatgaaa taaatcacca taacctttat taagcttggt 360
gtaatatgca atagcaattt catatacaca ctactagg 399

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<210> 1479
<211> 467
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (464)..(464)
<223> n = unknown

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<400> 1479
aactttgtct tttacaaaa gtccttacat caactcggta tactcataat ttaataattt 60
ttaattgatg togaccctac gttgtcgcaa tgtttactaa ctttcaaatt cttgtaactt 120
ttaaaactggt tgtttaattt aaatgaaata tttggcaaata ttgttcaaaa ttaaatagtc 180
tataactttt tctaacatcc taagtccata gagcaactcg gtatactgaa aaattaataa 240
ttttaaattg atgtcgacac tacgttgctg caatgtttac taactttaaa attcttgtaa 300
cttttgaatg gtttgtttaa tttgaatgaa atatttgga aatttgtttg aaattaaata 360
atttacaact ttgtctaaca tcttaagtca tagagcaact cggatatact ataaattaat 420
aattttctgat tgatttcctg aaagatttac tttgtaattg ggtnaag 467

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<210> 1480
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<400> 1480
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catgcaaaag tgaaaacggt ttttccgatc gaagagattg taaaaaatat tatcaatggt 120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
ataaaacgga gttgcgatgc ataccacgc caccggcga agaatgcaaa agtgagattg 240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420

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cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480

catgttcttt ttaataaa 498

<210> 1481

<211> 461

<212> DNA

<213> Ctenocephalides felis

<400> 1481

gagcgggcgg cccggcaggg tccaagttct atatcaattt ttatataaca ataatttgag 60

acagcaaact gaatcctgta ttgattttct ttgtccttgg tgcagtctga attgcggaatt 120

attatattcg ctactgaaac atttgaaact gtgccatgct agattttacct ttacatatgt 180

gccattaaca caatgtgcta gaatagatgt agctataaac gagttgtatg atgggttctta 240

tgttggggca cctcaagatt tgctaggccc ttctggattt gcattttcaa ggaatggacc 300

gactcgaaga actattgtta cacatatatt agtttgccga ccaagaagaa gtaaaccag 360

tttatcagaa ttcttggaat tggatgaaaa tgaatgcgac agccaaagac cttacattac 420

aggtcacaat cgtctgtatc atcatacaat aacatgccta c 461

<210> 1482

<211> 269

<212> DNA

<213> Ctenocephalides felis

<400> 1482

agatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacaaa 60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatccccg 120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180

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<210> 1483

<211> 402

<212> DNA

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<400> 1483

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caatctatatt acaattaaaa acactccttc acaaacttaa ttctccttct tgatacgtgt     180
ggatgtcatt ctgtaaataa tggagtcctt tcgggggtcca ttgtggagat cgagatacag     240
atagctagta gcgagaagaa aaaggctact ccaaaccata agatgatgtt aaaaaccacc     300
gggtaggagt cgttgtattc tttagctagg ttgaaatcgg gttcttttgg ggcatcatct     360
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<211> 210

<212> DNA

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<400> 1484

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accagcaaag ccaagttttt tggcagcgtc aatggctggt gctcctttgt cttgatttag     120
cttggaacaa actgtgtctg caggatgaga aactactgca cagaatacac cggcaatgta     180
accagcagca aagggtgaaa ccaattgttc                                     210

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 aataactttt acattattaa aataaatcac atatgataac atttccattc gaacgaaaat 180
 gcccttgatt tacatttttt attttcattt aggnngnttaa aatgctatta aaatattcac 240
 tattcatttt caaatgatat agtattttaat ataaattatc taatcagtat aaaaattgct 300
 cataaaatta tttattttaat tttatattta aaacaacnac gcaaatgtta aattatagtt 360
 cttccnaagc attattttat cagttacttg agcctgcatt atagggttta ttcaattatt 420
 ttataaaatt tatattatta ggtcacttaa tgcagagntg nataaaaaaa acttactata 480
 aaatatttgg gtgggtaa 498

<210> 1486
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<400> 1486

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aaaggcaatg tatcggttta atgggttttaa atttattttt tatttaatat taaatagatt      180
aattaaaaat ctataaagtg ataagaggcc tgatatccat aatattattg aatattaaga      240
agtgacggat agatctgata atgtagtagt tgttatagac aatttactta ataattatga      300
gttgcacat tatgcaatga tttatcacta ttattttattc aacattttat ttaactgctn      360
gcaactttta ataaaacgca tttttttattg nttaagtat aaatcttatt agggcacaat      420
atgaaaataa aaataagaac tttatacaaa agctttttta tacaatatgc tcttgcgcta      480
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<210> 1487

<211> 492

<212> DNA

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<400> 1487

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FC-8-C3.ST25.txt

atacaatatt ttcataatag cctgatgaat attatattag gctgcgatta agcaaatcat	180
tttattcaat gcattcgaaa accgngggct tttcatgttt aatctcggga aatgaacgaa	240
aagaagttag atcgccagaa gtttatataa acaaactatt ggcaatgcta ttttaggagg	300
tatagttata ttataatatt ttatgattta taacctcgac atatttcaat tttacactaa	360
aatttatatt tcataatatt ataattttta gattgatata agaatgaaat gatacataaa	420
cactttctat gttcatgata tataaattat tttatggaat ataagttttt atacaaatca	480
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tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg	180
ataaaaacgga gttgcatgac ataccacgac ccccgcgcaa gaatgcaaaa gtgagattgc	240
taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca	300
taaagtagtc aattaatata ataaataccn aatgatctgt gccattaaat ataaaaatat	360

gtntaaaatt aaaatgtata aattgttttt atgtaaggng cacaaaccaa atgncattac 420
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 acacatatatt ttagaatgat catatacata gttagggtggg cattcgaaaa cctgaccttt 180
 accatctttg cagaataaag tatcttgtgc agtctttcgg atctggctga taccctacaa 240
 ccgcgcgatgt agtttctgcc gcttacagtt ttccccaggt tttgatgagc acatatcatc 300
 tacacaaaat ggagcatcgg aatttgagtc tctgcaattg attgntgnaa ttgggggtttc 360
 ttgccagcgc gcaacttcaa agtagaacia tcatgacaaa atgttccaac tgcttattag 420
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FC-8-C3.ST25.txt

gtttcttggg	taacaacaaa	tggcnaataa	aacattatga	ttgtccaaat	ggcttgcaact	180
ttgataaaac	ggagttgcca	tgcataccca	cgcgcccggc	gaagaatgca	aaagtgagat	240
tgctnagtaa	ggcttaaacc	aggaaaacaa	tcttgaatag	actaattagg	attcaaatta	300
tcataaagta	gtcaattaat	ataataaata	cacaaatgat	ctgtgcaatt	aaatataaaa	360
aatatgtata	aaaattaaaa	tgtataaaat	tgtttttatg	taaggagcac	aaacaaaatg	420
tcattaacta	tagtaattct	gattatttaa	aatatataaa	tatagaagct	ttatgaaatt	480
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atatttgaca	ttttatatatt
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taatattgaa	taatttaatt
tttattatatt	ggctctcgga
taatcgggtca	ataaaaaaaaa
	120
aaatatgaat	gaatgatatt
taacacgcgat	attattatta
tactatttgt	tcttttgagtg
	180
tgtatgatgc	tccgtgttat
tattttgaac	tcgactccat
tcggagtcta	tgcaaaggca
	240
tatatatgtg	agtgtgtgta
agaatatttt	tcaaagatta
tatttgcttt	actttttaat
	300
agataatatt	atatttttgn
taatgttaat	gactatatta
tggntatatt	gntctttttg
	360

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agctctatatt atgaaatatt atgctgagac aaaattgccg gnagtattaa gtgtgcattc      420
atgccataac tcccaacttt tggtagaata attcacaatt tatgtcagag gnattatata      480
ggtgtaaaca atttaata                                                    498

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tcttggttaa caacaaatgg caaataaaac attatgattg cccaatggct tgcactttga     180
taaaacggag ttgcgatgca taccacgccc cccggcgaag aatgcaaaaag tgagattgct     240
aagtaaggct taaaccagga aaacaatctt gaatagacta attaggattc aaattatcat     300

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aaagtagtgca attaatataa taaataccna atgatctgtg ccattaaata taaaaaatat 360
gtataaaaat taaaatgnat aaaattgttt ttatgtaagg ngcacaaacc aaatgncatt 420
aactatagta atttctgata tttaaaatat ataaatatag aagctttatg aaattcntgt 480
tctttttaat aaaaanaa 498

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cccaagtagg ngctaacctt ttacaatgnc cacaccatgg ngcaaaaaaac ttgacaaaag 120

gcacaccctt tgaaatgcct tgntcaaagn ttgatccac aagantaaag acaccttctt 180

cttcattagt gnctggaatg cgantatcat ctctatcttc atcatcaatt tgggaagcac 240

catgtttntt ctnaacaaaa gcccttaatt cttcg 275

<210> 1494

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 acataatgca ggatcagtaa ctgncatcat tctatatccg gctctgntgt aatccccgnt 180
 taaattccaa gataacgcat taaaatgngg aaattgncac gtatataaaa ggnctoctaa 240
 gataaatgct cctgccttaa attaccggaa caagcaccca acccattagg gnggggattg 300
 ntctgacaat tgatccaacc caagttttta aatcttattc ttttnattgg agtatataca 360
 gatgtatata atattaaatt agctgntcct aatctgntgg taaaccattt acccaaaata 420
 tacataccta tcccgtagat gcagcacggt agcaaaacct acagcatgta atggacttaa 480
 aatcccctga ctaaactc 498

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 agatgatatg tgctcatcaa aacctgggga aaactgtaag acggnagaaa ctacatgcgc 180
 ggntgnagga tatcagccan atccgaaaga ctgcacaaga tcttattctg caaagatggn 240
 aaaggncagg ttttcgaatg cccacctaac tatgtatatg atcattctaa aaatatgtgt 300
 aaaaagaaat cgtcagaagc tgattgcacc gtcatgaaat gcacaaatcc caattctttt 360
 atacctatgc accggaccca tcaatttatg cttgggtgcaa tgacaaattg caaccgatc 420
 gtactgaaat gngaagacca cgtcacgaat ggggtgcca aaatctttnt ngtgcagact 480
 ggtgcaaaag tgaaaacg 498

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 agaaccttgt taatgctggg tgcaccaaca acgcgcctnc aatgaagata ttccgtagcc 180
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<210> 1497
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 tttaatatta aatagattaa ttaaaaatct ataaagtgat aagaggcctg atatccataa 180
 tattattgaa tattaagaag tgacggatag atctgataat gtagtagttg ttatagacaa 240
 ttactttaat aattatgagt tgcattcata tgcaatgatt tatcactatt atttattcaa 300
 ctttttattt aactgcttgc aacttttaaat aaaacgcatt ttttattgnt ttaagtataa 360
 atcttattag ggcacaatat gaaaataaaa ataagaactt tatacaaaaag ctttttttat 420
 acaatatgct tcttgcgcta ttaagttaag aaatttatat atgcttgnaa aaaaacaata 480

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 tnttatagat tgcatttcaa tctgnattaa atngnatgna aatcacagca caagatctaa 180
 cacacaattc atctaacaga aagaacaaaa taatttttaat gntattaaaa agacnnataa 240
 aataactttt acaataaagt aaccttacat gagatgngnt gatttcagat acttttcata 300
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 gtgaaaattt aatttaattgt atttaatatata atattccgaa tgttgccaat actcaaaagt 180
 ttgaatagca ctgttactgt gtgaatcgcc tggtgaaaaa aactagaatt tattttacaaa 240
 atgggtctagt gcaaaattta gagacacgta acttacaaca gccccaaaag agcgctagag 300
 caaaacacca cgcgatttat acagtaattg ntctgngcat tggatatctat tggatgtgtg 360
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 gaacgagcat tgcttcatat ggaccataac catatttccg cgtgtgttgn gaaatgcaat 180
 tatactttga gaaagtatta tcaattacaa agaaaattca gaagntgcta ctgaatcatt 240
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 aacacaacac ataatcagat aaaggacaat tttgttaatc gagtagaaaa ttgaatcaat 180
 tttctattcc aacaatttat ttttattatg tgttgtgttt ttaattgtta gtctttttgc 240
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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggc cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240
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tgtaaatggc caaggaggct atgccactct ngtcaatggg ggagttggct ggaaaaatgt     180
aactttactc ttatcttctc agactggcaa aggatttaac ttcttagttg aaatttgggg     240
atattagatt agagatttaa taaaaatggt attatagaaa atatattaaa tataacaatag    300
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accctcaaac aaagaatcaa tttcaatgct agcttggggt gaagaagaca aagttctctt     180
cgctctttca caagatgtcc tcaaacgacg gagagcacgt ttgttgaggg taagatcttt     240
cttgtatttg cgtttgaatt cttgtacgat cggttgcaat ttgtcattgc accaagcata    300
aattgatggg tccggtgcat aggttataaa agaattggga tttgtgcatt tcatgacggg     360
gcaatcagct tctgacgatt tctttttaca catattttta gaatgatcat atacatagtt     420
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 ntcggnataa agaatgcaat cactccacat gctatcagag atgntcctga tattaataaat 240
 gntaaatcgc aattataatc tagaattatt cctacaacat tgcttcaaca acacttccta 300
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 cttcacttct ggatatttcc atcgcaatta tcaaagggct ttgaaaaaca gatgtagatg 180
 ttagtgaacc aagaaaagcc gctgttataa aaacaataaa ccaactggaa gtaaagtctg 240
 taattagtct tccggtgacg attgtgatga gacttaagta aaatactggc cttcttccaa 300
 tcctatctcc taattgtcca aaaataaatg tgcctatgac ttgcctgca cgtccaatag 360
 caaatgtatt agttacatag agttctctat cacaaccca gtcttgatct gacggagccg 420
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 ctttngnata aagggtcttat ttttattttc atatngggcc ctaataagat ttatacttaa 180
 aacaataaaa aangcgtttt attaaaaggn gcaagcagtt aaataaaatg ntgaataaat 240
 aatagggana aatcattgca taangangca actcataatt attaagtaaa ttgnctataa 300
 caactactac attatcagat ctatccggca cttcttaata ttcaataata ttatggatat 360
 caggcctctt atcactttat agatttttaa ttaatctatt taatattaaa naaaaaataa 420
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 acttctgcat tttaaatta tcttaatcca acatcgnggg cgcaatctat tttggcgata 180
 tgttctctta aaaataatta cgctgggtatc ccttaagtaa cttaatcttt taatcataat 240
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 ctttcgcaaa ctttaattct ccttcttgat gcgtgnggat gtcattctgt aaataatgga 180
 gtccctgcca ggggtccattg tggagatcga gatacagata gcaagtaacg agaagaaaaa 240
 ggctactccg aaccataaaa tgatgttaaa aaccaccggg taggagtcgn tgtattcttt 300
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 ttaccttttt gnattaaa at atatgtatat ttatgaatat gtatttcttg natttttaggn 180
 taaattcggt atagaata at ttggaaatca tttcataat gctaaagtat taaattggct 240
 tttttccatt aaaatcct at ttaacattat acatatattt tattgcaaat gtgaggcggn 300
 atggaatcac ggggtggctg tttctgagta gtcgaacctt ttaggcaaaa attgngtaga 360
 tcaaactcag tctacaatct tgagctcatc ccattctcag aacattcatg tatttaaggt 420
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 gatatacata tgttggtatg tagttatgaa tttaatatac ttttaattaaa cccattccaa 180
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 aaactttggg cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240
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 aaaagntttt ataggngntc tattatacga agcactcgaa acattaaatc tttataaatg 180
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gacaattata gtacgtacgn gggactaatt aaataatttg gnacagattg ncaggntttt	240
atatactaca atactnaatt atttaaaaag nccattttca actcctaata aaagtatttg	300
agcccactct ttctgnagaa agattaaatt aaagggtgttc aaaagggagt cggnggtata	360
gagctacatt acatttttaa atcttcgngg tgaaaaagng ggngetgntg ntcaaaatat	420
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<211> 500

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 tagttaatga ctttttggtt gggctcctta cataaaanac aattttatac attttaattt 180
 ttatacatat ttttttatatt taattgcaca gatcatttgg gtatttatta tattaattga 240
 ctactttatg ataatttgaa tcctaattag tctattcaag attgntttcc tggnttaagc 300
 cttacttagc aatctcactt ttgcattcct cgccgggtgg cgnggggatg catcgcaact 360
 ccgttttatc aaagngcaag ccatttggac aatcataatg ntttatttgc cttttggtgg 420
 taaccaagaa acattgataa tatttttttac aatctcttcg atcggaaaaa acgttttcac 480
 ttttgcattgc agtctgacga 500

<210> 1517
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 tgtaaatacc ttatataaaa cttattthttht tggaaacttc ttaaattatg acaaaactgt 180
 tttaaatatg aagagtatcc aaattcatat aagacatcca ttgcattgtht tagtagaaaa 240
 aatatgathh tathgtattat ttaaathhtht atatagaata ttaatgactc acagtgtagt 300
 gtatatatac atctactata atthtattath taaaaathhtht cccgataaaa atactgttht 360
 taaattgcta ggcathgtgat catgtattat gactthtgtct acattaggtg tgatcttgat 420
 aatgaaatat atgagcttht aaatctctaa 450

<210> 1518
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 gctgcagcag acacacaaat tgctgtatca gtctthtgacc agcctaathc aaacagatac 180
 attgtthtgaa tagcagaaaa tgctatgtcg gagtatagtg caaatgtcac tccaataacc 240
 atathhthcat aaatccagthc thhthaaacaa gthhaathcca aaaagthaac gataactthc 300
 aathhthcccc tagathhthct ctctaccggt gcagtagthc thctactgca atgactgthc 360
 cagthcaath acctaaacta gaaatggaag accagthctt ctathhthctat ggtctthcata 420

ttgaagcatc ttaactggag gtacgccttn tatatcc

457

<210> 1519
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 tatatttata ttaaattaca attaggacta cataatgcac tttaaaaatt atggcatagt 180
 taagacttca ttagaaatac aataagctac aattataaat tgnattatat tttgnatttt 240
 tatcataaaa gaataaaatc attcagaatg caaaaaa 277

<210> 1520
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 <212> DNA
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 gttaatgaca ttttgnttgn gctccttaca taaaatacaa ttttatacat ttttaattttt 180
 atacatatatt tttatatttta attgcacaga tcatttgngt atttattata ttaattgact 240
 actttatgat aatttgaatc ctaattagtc tattcaagat tgttttcctg gtttaagcct 300
 tacttagcaa tctcactttt gcattcttcg cggggtggcg tgggtatgca tcgcaactcc 360
 gttttatcaa agtgcaagcc atttggacaa tcataatggt ttatttgcca tttgttgnta 420
 accaagaaac attgataata ttttttacia tctcttcgat cggaaaaaac gttttcactt 480
 ttgcatgcag tctgcacgan 500

<210> 1521
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (433)..(434)
 <223> n = unknown

<220>
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 <222> (439)..(439)
 <223> n = unknown

<400> 1521
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 aatattttatt tccaatttgc aaatatggaa actaccatcc ctatattata tataattgta 120

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tatattcctg aactgtttta tttgaattta ttttaaacac aaactttaat tatattcaaa	180
taatgatgga cgtgatttca tatatcccta aactttggat cagagtttga gagaagccta	240
gccatagtgt atagaaaatt atgtgtaggt gtataattaa gattgtcagg agtcaaatat	300
ataaagcatt gatacaaatt atacattcca attttctgta aaccgtgttc tttggttgat	360
tatggtttat atcacaattt atgaatcatg taaattaatt gtaaatttga aatgtatctc	420
cgatgtaaat gtnnaaaana aaa	443

<210> 1522
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 <212> DNA
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ggaaaggata taatcaacat ggagaagggt tatttcctgc aaactttgta actgctgatt	180
tatcagttga accagaacaa tttagaattg atgctaacaa gaaatctggt caattttctg	240
atgctgttca agtcaaaaact atatctcatg atgatgaaac cagtcctgaa attaatgaag	300
aaagtataga tactttatta aattttattac atgaagcaaa tcctgaagat cctaattgatg	360
atacagagca aatgctcaac ttagaagttc aagtaaataa aatgggccct ctgattgatg	420
ctgaattaga aaatattgac aggaaacatg ctcaacttac gcaattgagt ggcgatttag	480
tagaagccct taatt	495

<210> 1523
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 <223> n = unknown

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 tatggaaggc ccttgcatct tctgcatctt ttatctgttg tgacaattgc gccaccaatc 180
 tctcttggtt aaccaattgc cgacttaatt tatccaaaat atctgtatta tcttgaactg 240
 tgcttttcat agatttcaat tcgtataaaa aagaagctat tcgagctttt tgtttgtcca 300
 actcgtctgc cgttttcgta tgatcttcat aaaagttgga agccacttct cgtctcgttt 360
 tttgggcata tttttgtaat tgtattactg attgtcgtat gagatccatg tcttgttcta 420
 actcatttac tctgcgaagt tttttatcct gccgttaata cgacctcgac ttgggttctt 480
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<210> 1524
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 <212> DNA
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 <222> (16)..(16)
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<220>
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 gtataattgc atttcacaac acacgacgga aatatgggta tgggtccatat gaagcaatgc 180

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tcgttcttct atccacttgc ttctgataaa tgttcggtat aaagaatgca atcactccac	240
atgctatcag agatgttcct gatattaaaa atgttaaadc gcaattataa tctagaatta	300
ttcctacaac attgcttcca acaacacttc ctaatcgacc catcattaaa gatatacata	360
ctgccattgc cctgagttgt gtaggggt	387

<210> 1525
 <211> 460
 <212> DNA
 <213> Ctenocephalides felis

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tgaatgatta aatgtaatag attaatcaaa ttttagatta ttaaaattgt tctattacta	120
cagtagcaac ctccagcctga aaattaaccg acaaaatttc taacccttat caatgtatag	180
attttgaaaa ataacataga aatactatatt ttttgatgac tgtaataaaa aaatgtataa	240
atggccatac ctgaaaagat ttctatgtgt attttttatt accttttatt gctgaatgga	300
taaaagataa atacaatttc ataagctctt ggattaaatt aattttgaat aaatccataa	360
ttataaaata tgtaagtag caaattgaaa tatggaacta caaaatgtat acgaaatata	420
acttatataa taaatgaaaa aaaaaaaaaa aaaaaaaaaa	460

<210> 1526
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 1526	
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gtcaaaacgc atggaaaaat gtttaaaaat ctttacttca attattttta aattttttac	120
ttgatgttat gctcgcacac acacacacag atatatatat atattgttga gcttcgaaca	180
aagaatccaa aaagtaataa aataatcaaa aaccatttct ttattttattt attatcgacg	240
tttcggaact aggtatgttc caacttcagg acatctgtca agaaacatga ttttgataag	300
atttaagcaa acaatatgtt taggaaaatt ataagatgat ggatttttta aattaataac	360
attgttgaaa aaataatata tagaaatatg acaataatca aaatgaaatg ataaaaataa	420
atgagtaaca aaatattgaa aatgttaaaa attgaaaagt tttagaaagt ttttaagaaaa	480
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<210> 1527

<211> 431
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (11)..(11)
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 ttctttttac acatattttt agaatgatca tatacatagt taggtgggca ttcgaaaacc 180
 tgacctttac catctttgca gaataagtat cttgtgcagt ctttcggatc tggctgatat 240
 cctacaaccg cgcatgtagt ttctgccgtc ttacagtttt ccccagggtt tgatgagcac 300
 atatcatcta cacaaaatgg agcatcggaa tttgagtctc tgcaattgat tgttgtaatt 360
 ggggtttctt gtccagcgca caacttcaaa gtagaacaat cgtgacaaaa tgttcccaac 420
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<210> 1528
 <211> 379
 <212> DNA
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<220>
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 <222> (22)..(22)
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<220>
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 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcatgc ataccacgc caccggcgga agaatgcaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtatnaa aaaaaaaaaa 379

<210> 1529
 <211> 325
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (60)..(61)
 <223> n = unknown

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 attcaccaat cagttcattt atcataacaa agacatatat aataagattt tagtttaatt 180
 ataaaaaatg ctaaaaaata tttttaacaa aaacgcaata gaattattta tgaattatta 240
 cttaacattt caaaagggtg atatttggtg ataaataaac aaatgcatta gagataagca 300
 aatatttatg aaaagtatga acagt 325

<210> 1530
 <211> 410
 <212> DNA
 <213> Ctenocephalides felis

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 catgcaaaag tgaaaacggt ttttccgatc gaagagattg taaaaaatat tatcaatggt 120
 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcatgc ataccacgc caccggcgga agaatgcaa agtgagattg 240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 410

<210> 1531
 <211> 437
 <212> DNA
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 <222> (75)..(75)
 <223> n = unknown

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 aatctgcagc tgctgcagca gacacacaaa ttgctgtatc agtctttgac cagcctaattg 180
 caaacagata cattgtttga atagcagaaa atgctatgtc ggagtatagt gcaaatgtca 240
 ctccaataac catatttaca taaatccagt cttttaacaa agttaaatcc aaaaagtcaa 300
 cgataacttg caattttccc ctagatttct tctctaccgg tgcagtagtg ctatcactga 360
 caatgactgc tccagtccaa ttacctaaac tagaaatgga agatccacgt cttctcattc 420
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<210> 1532
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 <212> DNA
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<221> misc_feature
 <222> (205)..(205)
 <223> n = unknown

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 atgaataatt ttgattagaa caaatatatt catggattta aaaaaatcta aattgtaaaa 180
 ttcttaaatg ccttatcata tttgngagcc tgtgttcaac cataatattt ttttatataa 240
 cacataaagt aaaacaaagt 260

<210> 1533
 <211> 337
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (43)..(43)
 <223> n = unknown

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 <222> (66)..(66)
 <223> n = unknown

<220>
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 <222> (70)..(70)
 <223> n = unknown

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 ctgctgcagc agacacacaa attgctgtat cagtctttga ccagcctaata gcaaacagat 180
 acattgtttg aatagcagaa aatgctatgt cggagtatag tgcaaatgtc actccaataa 240
 ccatattttac ataaatccag tcttttaaca aagttaaatc caaaaagtca acgataactt 300
 gcaattttcc cctagatttc ttctctaccg gtgcagt 337

<210> 1534
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 <212> DNA

<213> Ctenocephalides felis

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<222> (60)..(60)

<223> n = unknown

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<223> n = unknown

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<223> n = unknown

<400> 1534

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tccttacata aaatacaatt ttatacattt taatttttat acatattttt tatattttaa      180
tgcacagatc atttgtgtat ttattatatt aattgactac tttatgataa tttgaatcct      240
aattagtcta ttcaagattg ttttcttggg ttaagcctta cttagcaatc tcaacttttgc      300
attcttcgcc ggggtggcgtg ggtatgcacg gcaactccgt tttatcaaag tgcaagccat      360
ttggacaatc ataatgtttt atttgccatt tgntgntaac caagaaacat tgataaatatt      420
ttttacaatc tcttcgatcg gaaaaaacgt tttcactttt gcatgcagtc tgcacgagaa      480
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<210> 1535

<211> 439

<212> DNA

<213> Ctenocephalides felis

<400> 1535

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tggcaggccg tgaatgctgg aaactgggta cgtgtagaaa atctagcaag aaaattggga      180
tcttccagag ctgaagattt gaccgtctat tcagggtgtc atgatatcct aactctgcct      240
gatgtcaata acaacgaagt aaaaatgtct attgccaaag acggaaacat ttggataccc      300
aaatggaatt ggaaaatagt acaatcgcca aaaactggag aaggcattgc ttttgttacc      360
ctcaataatc cttatgcaga gaaagtcctc ataaagatct actctgcaag gacatctgca      420
aagaactgga tttgaagat                                     439

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<210> 1536
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<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (249)..(249)
 <223> n = unknown

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 <222> (452)..(452)
 <223> n = unknown

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 <222> (489)..(489)
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 ttctcaaaa actgntaaat acaataagtt aacttaaata catggatggt ctgagaatgt 180
 ggatgagctc aagattgtag aactgagttt gatctacaca atttttgcct aaaaggntcg 240
 actactcana aagcagccac ccgtgattcc atacgcctc acatttgaca ataaaatata 300

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tgtataatgt taaataggat tttaatggaa aaaagccaat ttaatacttt agcattatga	360
atatgtatatt ccaaattatt ctatnacgaa tttaacctaa aatacaagaa atacatatc	420
ataaatatac atatatttta atacaaaaag gnaacttggc aaaaatgaaa ttcaaatcac	480
ttgggttgnt aatttaaag	500

<210> 1537
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (28)..(28)
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<220>
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 <223> n = unknown

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 <223> n = unknown

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cacgaattca cgcaactaaa ttttactttt ttacattttt gcaatataat acatatatat	180
tataaaaaag taaaaaatcg ttattaaaat aattaattac acgggatata ttagatagtt	240
aattttataa taaattgtat tatataatag ggaatataat acatatatat tataaaaaagt	300
aaaaaaatcg ttattaaaat aattaattac acgggatata ttagatagtt aattttataa	360
taaattgnat tatataatag ggaatataat catatatatt ataaaaaagn naaaaatcgt	420
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FC-8-C3.ST25.txt

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cattttttca	ttaaggntat	caaaaatata	tcaggcntgg	ccatttatac	atttttttta	180
ttagagtcac	caaaaaaaat	agtataatct	ctatgttatt	attcaaaatc	tatacattaa	240
taaggatggt	agaagtttgt	tcgggttaatt	ttcaggcaga	ggttgctatt	gtagtaaatg	300
aacaatttta	atcatctaaa	atttgattaa	tctattcatt	taatcattca	atagtaaatt	360
tccttttga	atttcgaatg	gntgccatta	cggnaaacia	agtctcctcg	tcaacagttg	420
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tcttggttaa	caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
ataaaacgga	gttgcgatgc ataccacgc caccggcgga agaattgcaa agtgagattg 240
ctaagtaagg	cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300

FC-8-C3.ST25.txt

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt aaggngcaca aacaaaatgn 420
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 tcattccatg ccataataag attatctctt aattttgaat gccaaatgtc atatcatttt 180
 ctcagctaac atttataaat tatgaatatg aaataatggn taaattggat tatagttgac 240

FC-8-C3.ST25.txt

ttcctacatg tagaaattag acacagtaga aatgaaacat aaatatatct ttggagaatc 300
 ttaaattcta agcaattata aattaggaaa cgtaaataa ttgcaacant ttacatatcc 360
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 taagaacaca atagaaaaat catttaatta gntggatatt tttagtataa gtattcctgt 180
 gtagatagca agttgtgact acagaataaa tatctgattt tatcacaagg nnaaanaaaa 240
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 agtagcaacc tcagcctgaa aattaaccga acaaatttct aacccttata aatgtataga 180
 ttttgaaaaa taacatagaa atactatttt tttgatgact gtaataaaaa aatgtataaa 240
 tggccatacc tgaaaagatt tctatgtgta ttttttatta cctttttattg ctgaatggat 300
 aaaagataaa tacantttca taagctcttg gattaaatta attttgaata aatccataat 360
 tataaaatat gttaagtagc aaattgaaat atggaactac aaaatgtata cgaaatataa 420
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 tataattgca tttcacaaca caccgacggaa atatggttat ggtccatatg aagcaatgct 180
 cgttcttcta tccacttgct tntgataaat gttcgggtata aagaatgcaa tcaactccaca 240
 tgctatcaga gatgttctctg atattaaaaa tgtaaatacg caattataat ctagaaattn 300
 ttcttacaac attggttcca acaacacttc ctaatcgacc catcattaaa gattacatac 360
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atacatttta atttttatac atatttttta tatttaattg cacanancat ttgggtattt      180
attatattaa ttgactactt tatgataatt ngaatcctaa ttagtctatt caagattgnt      240
ttcctgggtt aagccttact tagcaatctc acttttgcac tcttcgccgg gnggngnggg      300
tatgcatcgc aactccgttt atcaaagngc aagccatttg gcaatcataa tgggtttattt      360
ggcatttgnt gntaaccaan aaacaatgat aatattttta caactcttcg atcgg          415

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<210> 1545

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<213> Ctenocephalides felis

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acacatattt ttagaatgat catatacata gttaggtggg cattcgaaaa cctgaccttt      180
accatctttg cagaataagt atcttgtgca gctttcggat ctggctgata tcctacaacc      240
gcgcatgtag tttctgccgt cttacagttt tcccaggtt ttgatgagca catatcatct      300
acacaaaatg gagcatcgga atttgagtct ctgcaattga ttgttgtaat tgggggtttct      360
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tacataaaan acaattttat acatnttaat ttttatacat attnttttat atttaaantg 180

nacaggaaca tttgggggnt ttattatatt aattgactac tttatgataa ntttgaatcc 240

taattagtct attcaagaat gnttnctggg ttaagcctta cttaanaatn ttactttgna 300

ttctttgcgg gggggggggg 320

<210> 1547

<211> 126

<212> DNA

<213> Ctenocephalides felis

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 gaacctgggt ttaccacaaa gaccagaaca tatattaaca gattgtatgc acgtnacatc 180
 agaagacggt gacttctttt tcaaaagcaa tgggtgtcgaa gattcttcag cagaaagntc 240
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actatagtaa ccagaaacaa aaatcagagt gtgtaaaatg taaattcata tattttttggn 180

aaaaatacaa tcaagatata acagtgccac aatattatta aaatacgtat ttgtgacgaa 240

acctaaagtg nggtcagaat ataaaaaaca ataatatatta tccttcaaat gnatgctttg 300

aaaaaaagca ttogaagatt ttgggttaaat attttggtta gnccacattt atgggtgntc 360

ggtcaattaa aatatgtttc ttttgcnagg aaagaatatg gtgnagatat tggccaaaaa . 420
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 aaattaaata a 491

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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggc ctctgtcttt cctgcatctt tgaaacattc cgtttcttag ttctggaagt 240
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 gtgccgtaac attgttttga taagtgaagt cggttgctnaa aagcacagga ccaagattga 180
 caactncatt ccaatatattt aattaatttg gtgntaattt tgataacggt gattttatcc 240
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 taaagaagta tttgcatcat tggatgagcc cgcaccagga gtagtaccta ctctgaacc 180
 tacacctgta ccgaaacccg agcaaaaatg taaaaaagta aaatttagtt gcgtgaattc 240
 gtgcagttca cccgaaatgc agtattgtcc ggaaatagga gcagatccgg ttaaggaatn 300
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 aagtcagtct gcaagtacaa gggttcaa atgtccgtcacc atcgagattt tattcaaata 420
 taaatgattg caaagctatt attattgnga cgaaaatagt atangaaccc aatattttgg 480
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 acacatattt ttagaatgat catatacata gttagggtggg cattcgaaaa cctgaccttt 180
 accatctttg cagaataaag tatcttgtgc agtctttcgg atctggctga taccctacaa 240
 ccgcgcacgt agtttctgnc gcttacagtt tccccaggt tttgatgagc acatatcatc 300
 tacacaaaat ggagcatcgg aatttgagtc tctgcaattg attgntgnaa ttgggggtttc 360
 ttgtcagcgc acaacttcaa agtagaacia tcgtgacaaa atgttccaac tgnttattag 420
 t 421

<210> 1555
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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 atgcatcacc ccaacaaacc aactttggat cctttcacca tcaccaacaa atagcaccta 180
 caaacattgg gggctactat tccccccacg gaattctacc aatctattac gataatggac 240

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acgggtttggtt gaatttttaat cctctgagggc agcaaaacta ctacgcccag tattatcctt 300
attaccagaa caccagacag tattatcctt acaatttttg atattattat catcacagtt 360
tgncaaattc gcactactac aggcaggagt 390

<210> 1556
<211> 417
<212> DNA
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<400> 1556
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ccgatttcaa cctagctaaa gaatacaacg actcctaccc ggtgggttttt aacatcattt 120
tatgggttcgg agtagccttt ttcttctcgt tacttgctat ctgtatctcg atctccacaa 180
tggaccctgg cagggactcc attatttaca gaatgacatc cacacgcac aagaaggaga 240
attaaagttt gcgaaaggag tgtttttaat tgtaaataga ttgttttagta ttattacaat 300
gtaacgagtt attaatttgt gatcaatata aattaaaatt aaaatacaat atctttgttg 360
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<210> 1557
<211> 276
<212> DNA
<213> Ctenocephalides felis

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tattgcattt ggtccaaaaa tctcaggctt ataatatggg cccacagaag aatatcctgg 120
cctgtactga gaaaatgcgt aagggtggtgg atggtaatca cagttcgccc attggacaat 180
cgagatggcc accaaaaata ttacagcttt catttttagtc acttgggtgaa atatcacgaa 240
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<210> 1558
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ttttaatttt tatacatatt ttttatattt aattgcacag atcatttggg tattttattat      180
attaattgac tactttatga taatttgaat cctaattagn ctattaaaga ttgttttcct      240
ggtttangcc ttacttagna atctcacttt tgcatttttc gccgggggggc gtgggtatgc      300
atcgnaactn cgttttatta aagtgnaagc catttggaca atcataatgn tttatttgca      360
tttg                                                                    364

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 actttaaat aaacaaaggt cnaaatcagt gtttttcaat ctgtggtgcg cgcaaggcag 180
 ttttcagaag gctgaaactg tttncaaaat actatttttg aatncaaacc aaaaaaagaa 240
 atatataaaa atataagatt gaagatacaa gaaaaaatat tgntagaaag aatgccaatc 300
 ttacaaaac aaaaacattt tataaaaatt agcattcctt ctatcaatnt ttttttttaa 360
 acaatatata tcagttgnaa atttatnaaa tcatattgnt ggngaaatta aaaaaaatt 420
 naaacgccaa aatttaaaaa tgagggcccg cggtgttgga agattgggaa cactgntta 480
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<210> 1560
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 caatagcaac ctctgcctga aaattaaccg aacaaaacttc taacatcctt attaattgtat 180
 agattttgaa taataacata gaaatcatac tattttttttg atgactctaa taaaaaaatg 240
 tataaatagc catgcctgat atatttttga tgaccttaat aaaaaaatgt ttaaatggcc 300
 atgtctgaaa agattttctat gtgtattttt ttgttaacat tttattgntg aatggataaa 360
 agataaatca attttataaa gctgttttga taaattaatt ttngaataaa tctataatca 420
 tagaatatgt tnagtgcnaa ttaaaaatatg gccacaacca caaaatgaat acgaatatac 480
 ttatntgatt nttgaaaa 498

<210> 1561
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 <212> DNA
 <213> Ctenocephalides felis

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 aaaatagtgt ttaatttgac ctttaaccact ttggtttata ttttagcaaaa atttattaaa 180
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<210> 1562
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<210> 1563
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 <212> DNA
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<400> 1563
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<210> 1564
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 aaaaaaatac tttaaattaa acaaaggnc t aaatgagtgg ttttcaatct gtggtgcgcg 120
 caaggcagtt ttcagaaggc tgaaactggt tcaaaatact atttttgaat acaaaccaaa 180
 aaaagaaata tataaaaaata taagantgaa gatacaagaa aaaatattga tagaaagaat 240
 gccaatTTTT acaaaaataaa aacattttat aaaaattagc attttttcta ttaanatttt 300
 nttttaaaca atatatatca gtgaaaattt ataaaatcat attggtggag aaattaaaaa 360
 aaanaattaa aacgcaaa 378

<210> 1565
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 atgacacaac gggtaaattt gaaatttggg atacggntgg acaagaaagg n 171

<210> 1566
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 tatgtntctag aaatacaaag tgtaaagttc aaggtttgta tagcttaata aagtaaacad 120
 tttaaaatgt gatgaattta tctgcaaata gtcaaaatca aaattactat ataattgatta 180

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ttgaaataat gcttttatag attgcatttc aatctgtatt aaattgtatg taaatcacag      240
cacaagatct aacacacaat tnatctaaca gaaagaacta aataatttta atgttattaa      300
aaattacata taaaataact tttacaataa agtaacctta catgagatgt gttgatttca      360
gatacttttc atacaacagt gctttctgtn taaacaatat aatataaata acgg           414

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<210> 1567
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<213> Ctenocephalides felis

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aagatacatg taatttcata aagcttctat atttatatat tttaaataat cagaaattac	120
tatagttaat gacattttgt ttgngctcct tacataaaat acaattttat acattttaat	180
ttttatacat attttttata ttttaattgca cagatcattt gggatattat tatattaatt	240
gactacttta tgataatttg aatcctaatt agtctattca agattgtttt cctggnttaa	300
gccttactta gcaatctcac ttttgcatc ttcgccgggt ggcgtgggta tgcacgcgaa	360
ctccgtttta tcaaagngca agccatttgg acaatcataa tgntttattt gccatttgnt	420
gntaaccaan aaacattgat aatatttttt acaatctctt cgatcgggaa aaacgttttc	480
acttttgcac gcagtttt	498

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taaagggtctt atttttatct tcatatnggg ccctaataag atttatactt aaaacaataa    180
aaaangcggg ttattaaaag ggggnaggcng gtaaataaaa ngngaataaa taatagngat    240
aatcattgn ataangnggc aactcataat tattaagtaa attgggtata acaactactc    300
attatcagat ctatccggnc ttcttaatat tcaataatat tatggggatc aggccccctna    360
tcactttata ganttttaat taatctatct natattaaat aaaaaataaa tttaaaacca    420
ttaaaccoga mncatgggct ttaaagaaaa aaaancacca tacctttatt aagcttgggt    480
gnaatatgca atagccattt                                     500

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<210> 1569
<211> 384
<212> DNA
<213> Ctenocephalides felis

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gtataattgc atttcacaac acacgacgga aatatgggta tggncatata gaagcaatgc    180
tcgtttctct atccacttgc ttctgataaa tgttcggnat aaagaatgca atcactccac    240

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atgctatcag agatgttcct gatattaaaa atgttaaadc gcaattataa tctagaatta    300
ttcctacaac attgctttca acaacacttc taatcgaccc atcattaaag atatacatatc    360
tgncattgcc tgagtttgtgt aggg                                           384

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<210> 1570
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 tatacatttt aatttttata catatttttt atattttaatt gcacagatca ttnggggtatt 180
 tatttatatna anngactact ttatganaat ntgaatccta attagnctat tcaagatcgt 240

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tttcctgggtt taagccttac ttagcaatct cacttttgca ttcttcgccg ggnggcgtgg	300
gtatgcatcg caactccgtt ttatcaaagt gcaagccatt tggacaatca taatgnntta	360
tttgcatcttg gtgntaacca anaaacattg ataatatctt ttacaatctc ttcgaacgga	420
aaaaacgttt tcacttttgn atgcagttct gnacgagaaa gaatttgggt caaaacattc	480
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<210> 1571
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 <212> DNA
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tcgttttgaa ctgaatttga gcaaggatga tcgtgctaaa ttgtaccccc gttgtggtaa	180
actnaacca gacnggttag ctgctctggc tcgtgctgat gattatgaac aagttaaagc	240
tgtagctgaa tattatgctg agtattctgc tttattcgaa ggctcttggc gatgggtccgg	300
cgacaaaaca cttgaagata aattcttttg aacatgaggt catctcaatg tgttgctttc	360
ttgcacaatt catttcggag tattttactc ttatttgaaa ctcaaggaca agagtgccgc	420
aacattgttg gataagtggg gcgtggtcaa agcacangac caaattgcac tcnttcatt	480

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catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180

attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt 240

tcttccattg tgtctttaca ctcggtcgta ctattcgtag catcaatgct tagggcggac 300

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 naaaatnaaa attactatat aatgattatt gaaataatgc ttttatngat tgcattncaa 180
 tctggnttaa attgtatgtn aatcacagca caagatntan cacacaattc atntnncaga 240
 nagaacaaaa tanttttant gttnttaaaa attacatata naataacttt tcaataaagn 300
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 aataatttgg aaatacatat tcataatgct aaagtnttaa attggctttt ttccattaaa 180
 atcctattta acattataca tatattttat tgcaaagtgt aggcgggatg gaatcacggg 240
 tggctgcttt ctgagtagnc gaacctttta ggcaaaaatt gtgtagatca aactcagtct 300
 acaatcttga gctcatccac attntcagaa catccatgta ttttaagtaa cttattgtat 360
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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaacttttgg cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240
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 aaatttaaga acatatttna tgacaggntt gttataaaag cataaatgac tggttagttt 240
 tttttttttt taatgaaagt ttaagacatc tattatngga agatatatgg ggggaacaga 300
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atcagcatcc aagccttctt tgatttgtnc ttttatgcc tccagtccag ttaatttngc 180

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atgatcacta actaccatat caatatcttn tgttttcaaa gctggcataa tttttcttgg 420
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 ttttattttc atattgngcc ctaataagat ttatncttaa aacaataaaa aatgcgtttt 180
 attaaaagnt gggngccggt aaataaaatg nngaataaat aatagngata aatcattgca 240

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taatgatgca actcataatt attaagtaaa ttgnntataa caactctaca ttatnagntc	300
tatccggccc ttnttaatat tcaataatat tatggntatc aggnncctta tcactttata	360
gattttaant aatctnttta atattaaata aaaaataaat ttaaaaccnt ttaacccggt	420
cattgccttt aatggaataa atcacctacc tttnttaant tgggtgnaatt gcatagcatt	480
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tataattgca tttcacaaca cagcagcgaa atatggttat ggtccatatg aagcaatgct	180
cgttcttcta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcactccaca	240
tgctatcaga gatgttcctg atattaaaaa tggttaaactg caattataat ctagaattat	300
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 gtgtccaaat ttgttgaata aaattgatac ctctttttaga gacagaagag aaggatatatt 180
 gccctcagga gggattttaga cttaaaatta atgatgctaa tgggtgttgta tccacaattt 240
 tactttttatt gcgcatactc aacatccatc ctgaactctt ttggaatatc ttctcttctt 300
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ttgactctta gcaggtcttc gngattcatc gggcataaga gcgcttttac ctataacggc 480
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agacaacgtc tgaggtcatt tccattcctt ggtttaaatc accattagat ttagcagaat 180
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tatacattttt aattttttata catatttttt atattttaatt gcacanatca tttgggtatt	180
tatttatatta attgactact ttatgataat ttgaatccta attagtctat tcaagattgt	240
tttcctgggt taagccttac ttagcaatct cacttttgca ttcttcgccg ggnggcgngg	300
gtatgcatcg caactccggt ttatcaaagn gcaagccatt tggacaatca taatgnttta	360
tttgccattn gttggtaacc aagaaacatt gataatattt ttacaatct cttcnatcgg	420
aaaaaacggt tcactttttg catgcagttc tgcacgagaa agatttggg	469

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ctcgattatg ctctatgtga tattctgcgt gtgggcacta ttcacaattg ccatcctagt	180
catgatggaa ggcctttctg cggtcttgca cacactgcgt cttcactggg tggagttcat	240
gagtaagttc tactctgggt tgggttattt gnccaaccct tctgcttcaa aactattttg	300
gacgcggagg ataaggaagc agaataatca atttatctat tatttaaata aattaaaaaa	360
acaaattant tataaagaag ttataaaaaa gtaaattatt ggtnaaaatt gattttcaaa	420

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 tntcttctat ttttgacaaa gtttatttta aacagggtgtt gaaataattt cagtgtacag 180
 ctttacttta ctggcaacac tcatatcaac ataacgatct ccaattgata cgaccattcc 240
 acccaagatt gagggattaa ctttaaggggt tagtaataag ttttctttgg gttttaagaa 300
 tcctcttaaa gtgctttcaa gttgnttttg ntgattctca tctaaaggnt tagctgttgn 360
 nacttcacat ggacctctcc acgatgagca gacatcataa ctttataagc ggtgatacac 420
 cctccagtta ttaaacgtcc attctcagca agtactccac aagttggatg tactgggagc 480
 catttgagc tgnttgtggc ttcttcatgc attgattaaa ggagcgcttg aaagtgggtg 540
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<210> 1590
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 accaaatggc tacttcagcg gttttggata aaccagttgt taactagaca aaaatacacc 180
 aagtgccaaa tatgatcctg tccaaacctt tccatgttta taagtagtgt ccaaacaat 240
 tatcttcggc gactgaaata ttggacaact tgcatgcatt tttgactatt tttaaattgac 300
 aggtcagcat tatttatgtc tggcagaata acagaggcaa aacaaacaaa tgtcgatcaa 360
 atattacaat tcgatgtgct cttaattgga ttaaatatag atttatacta attcaaaaag 420
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tttaaacagg tgttgaaata atttcagtgt acagctttac tttactggca acactcatat      180
caacataacg atctccaatt gatacgacca ttccacccaa gattgaggga ttaactttaa      240
gggttagtaa taagttttct ttgggtttta agaatcctct taaagtgcctt tcaagttggt      300
tttgttgatt ctcatctaaa ggnttagctg ttgtaacttc acatggaacc tctccacgat      360
gagcagacat cataacttta taagtntga taacaccttc cagtttatatt aaacgtccat      420
tctcagcaag tactccagca aggtgggatg tactggagcc attgcagctt gctgtggcct      480
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<210> 1592

<211> 368

<212> DNA

<213> Ctenocephalides felis

<400> 1592

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tggacagagg ttcgacagca tggtttctca tgtgttgga ttcaataacc aatttttcac      120
gtaatttgct atcaatggta gacacagata agggggaagg ctcatattgat aaaaagggtgc      180
cataatctgt aactgccagg tgcagcttca aatcttcaag agtttcacat tgcacaagat      240
ttaaataatc ggattgttta agaattccgc acttgaaacc acggcacagg ccttccagat      300
agccaccatc aatattaaac atgaaaccca tttttattca atttatctgg cagtaatcgc      360
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<210> 1593

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tgtaaattggc caaggaggct atgccactct tgtcaatggg ggagttggct ggaaaaatgt	180
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atattagatt agaaatataa tgaaaatgtg aatatagaaa aaaaattaaa tatacaatag	300
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atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat	180
cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt	240
cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattacaa agaaaattca	300
gaagttgcta ctgaatcatt ttctaaaaca tcgcatgaaa attaataact ctttattggt	360

attagattcg atgtaagata tatgtacata ctcataggta aaaaatgtta atgncgccat 420
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 caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgnat 180
 agatttttgaa taataacata gaaattatac tattttttttg atgactctaa taaaaaaaaat 240
 gtataaatgg ccatgcctga tatattttttg ataaccttaa tgaaaaaatg tttaaatggc 300
 catgtctgaa aagattttcta tgtgtattttt tttggtaaca ttttattgnt gaatggataa 360
 aagataaatc aattttataa gctgggttggg taaattaatt ttgaataaat cataatcata 420
 gaatatggta agtagcaaan taaaatatgg ncncaaacca caaatgttt cgaaatatac 480
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 acattttaat ttttatacat attttttata ttttaattgca cagatcattn gngtatttat 180
 tatattaatt gactacttta tgataatttg aatcctaatt agtctattca agantgnntt 240
 cctggtttaa gccttactta gcaatctcac ttttgcatte ttcgccgggn ggcgngggta 300
 tgcacgcgaa ctccgcttta tcaaagtgca agccatttgg acaatcataa aggttatttg 360
 ccatttgntg gtaaccaana aacattgata atatttttta caatctcttc gatcgggaaa 420
 aacgtttcac ttttgcatgc agntctggac ganaaaaaat ttnggncaaa ancacgtgg 480
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<210> 1597
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 atttgtcatt tgatctttgc cagaaatggg tccgatcaaa tcataaagct tacttggaaa 180
 cgaatcatat gtatgaaaag tataatgccca cacatgctgg ggcaccagga aatggcggag 240
 aatatgaggt ccagcttggt tttggctgga cgaatggtgt catattagac cttcttaata 300
 aatacggaga tcgactgagc tctacatcaa attcgctcac atcagatggn tcgtcgtaaa 360
 tcttttggaa taatcttgaa gactgngaaa ttagtgaaaa aattactact agaagaatat 420
 acgagtatta aggttatata tagcgtagat gactttgcta ctatttattt gngggacnat 480
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 cacgaattca cgcaactaaa ttntactttt ntacattttt gcaanataag catatgtatn 180
 ataaaaaagg gaaaaatcgt tattaataaata aataattaca cgggatatat tagatangga 240

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 gtgctcctta cataaaatac aatttataca ttttaatttt tatacatatt ttttatattt 180
 aattgcacag atcatttgng natattattat attaattgac tactttatga taattngaag 240
 cctaattagt ctattcaaga ttgttttctt ggtttaagcc ttacttagca atctcacttt 300
 tgcattcttc gccgggtggc gngggtatgc atngcaactc cgtttatcaa agngcaagcc 360
 atttggacaa tcataatgnt ttatttgcca tttgngngta accaagaaac attgataata 420
 ttttttacia tctcttcgat cggaaaaaac gtttcacttt tgnatgcagt ctgacgagaa 480
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<210> 1600
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 tacattttta tttttatata tattttttat atttaattgc acagatcatt tgggggattta 180
 ttatattaat tgactacctt atgataattt gaatcctaag tagtctattc aagantgggt 240
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ggatgagctc aagattgtag aactgagttt gatctacaca atttttgcct aaaaggttcg      180
actactcaga aagcagccac ccgatgattcc ataccgcctc acatttgaca ataaaatata      240
tgtataatgt taaataggat tttaatggaa aaaagccaat ttaatacttt agcattatga      300
atatgtattt ccaaattatt ctataacgaa tttaacctaa aatacaagaa atcatattca      360
taaatataca tatatttttaa tacaaaaagg nacttgngca aaaatgaaat tcaaattcct      420
tggggttgct aatttaaagt gtttagaatt ttctcttttt ttgggatggg ggntattgnt      480
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 <223> n = unknown

<220>
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 <222> (303)..(303)
 <223> n = unknown

<220>
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 <222> (361)..(361)
 <223> n = unknown

<220>
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 <222> (380)..(380)
 <223> n = unknown

<220>
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 <222> (420)..(420)
 <223> n = unknown

<400> 1602
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 taaataatca gaaattacta tagttaatga cattttggtt gggctcctta cataaaatac 120
 aattttatac attttaattt ttatacatat tttttatatt taattgcaca gatcatttgg 180
 gnatttatta tattaattga ctactttatg ataatttgaa tcctaattag tctattcaag 240
 attgntttcc tggnttaagc cttacttagc aatctcactt ttgcattctt cgccgggtgg 300
 cgnnggtatg catcgcaact ccgttttatc aaagtgcgaag ccatttggac aatcataatg 360
 ntttatttgc catttggtn taaccaagaa acattgataa ttttttttac aatctcttcn 420
 atcggaaaaa acgtttcact tttgcatgca gtctgccga 459

<210> 1603
 <211> 598
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (425)..(425)
 <223> n = unknown

<220>
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<222> (494)..(494)
 <223> n = unknown

<220>
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 <222> (515)..(515)
 <223> n = unknown

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 <222> (541)..(541)
 <223> n = unknown

<220>
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 <222> (562)..(562)
 <223> n = unknown

<220>
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 <222> (565)..(565)
 <223> n = unknown

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 <222> (567)..(567)
 <223> n = unknown

<220>
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 <222> (577)..(577)
 <223> n = unknown

<220>
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 <222> (593)..(593)
 <223> n = unknown

<400> 1603
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 tcgtacccaa aattctcttt ggatcttgat catgttaaag ttgctttaac ggcattggct 180
 cgtatgcatg caagttgcat tatctacgag aagaaaaaaaa attgttgcac ggggagagtt 240
 tacaaagatc ttatgttcga gactatggcc aataataatc aatggtggag gactggagag 300
 gatactgctt tagcaattgc tgaggaatct gagaaattcg gtaaataatac cgaataccat 360
 tccatggtca ggagaagtta attgattttc tgagattggc atggctatgg taaaaccatc 420
 gcgcntttat aaaaatgtgg tatgccccgc gataccccaa tcacaaattg atgggtcaaat 480
 ataattcaac tggntcctg acaatgcac ttggnccgatt tccaagatcc ctacatccac 540
 nactttggat tcaatcatct tntntnaga caacatntaa aagctttgag acncccc 598

<210> 1604
 <211> 505
 <212> DNA
 <213> Ctenocephalides felis

<400> 1604
 gaggagactt tgtttaccgt aatggacaac cattcgaaat tccaaaagga aatttactat 60
 tgaatgatta aatgtaatag attaatcaaa ttttagatga ttaaaattgt tctattacta 120
 caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat 180
 agattttgaa taataacata gaaattatac tatttttttg atgactctaa taaaaaaaaat 240
 gtataaatgg ccatgcctga tatatTTTTG ataaccttaa tgaaaaaatg tttaaatggc 300
 catgtctgaa aagatttcta tgtgtatTTT tttgttaaca ttttattggt gaatggataa 360
 aagataaatc aattttataa gctgtttgga taaattaatt ttgaataaat ccataatcat 420
 agaatatgtt aagtagcaaa ttaaaatatg gaccacaaac cacaaaatgt atacgaaata 480
 taacttatat gatTTTTTaaa aaaaa 505

<210> 1605
 <211> 408
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (165)..(165)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (370)..(370)
 <223> n = unknown

<400> 1605
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 aacacatctc atgtaagggt actttattgt aaaagttatt ttatatgtaa tttttaataa 120
 cattaaaatt attttgttct ttctgttaga tgaattgtgt gttanatcct gtgctgtgat 180
 ttacatacaa ttttaatacag attgaaatgc aatctataaa agcattatTT caataatcat 240
 tatatagtaa ttttgatttt gactatTTTg agataaattc attacatttt aaaatgtTTa 300
 ctttattaag ctatacaaac cttgaacttt acactttgta tttctagaac ataagtatta 360
 aataaattgn taaaaatatt tgtggctaga ttttcctatt gctaattg 408

<210> 1606

<211> 300
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (72)..(72)
 <223> n = unknown

<400> 1606
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 cataagctga tnaatgggca atcgcttcca aaagttgagc aaacaaaatt atggacgtcc 120
 tcattgatat tttattacta ctaagataat catgaagact gcaatcgtat ctcttcatta 180
 acaaaaacaa tgacatatat ctaccataac catcactggt aattctttgt ggtaaagctg 240
 atggaaacaa actggctgct agtggtaaac cagttggaat tctatcagca aacacgctgt 300

<210> 1607
 <211> 541
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (324)..(324)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (403)..(403)
 <223> n = unknown

<400> 1607
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 tattaatatt tggtcctttg actaggaaat tcactaaaca attaattgat aaataattcg 120
 ggaaagtgtg tttcatacgt aggctccatt gctaaagtct cgtttgatgg taaagcatta 180
 acaccacgta agtttttggg aaattttaat gaactgaata tgcgttcag tttgttacgt 240
 aagagttcat gctgtggctt tgttcggggtc aacaattcat caaatgggtc atttctaaac 300
 gctttggcaa gtcgtttata ttgntcctct tgcagtaatt gttcagactc agtttgttca 360
 tttactgctc gtttcatgac atcaaaagaa tattcttcgg tgntaatttt cctggataat 420
 cctggtgaac ttgctgcgct atccacatcg ttggttaaag agctcaaate cgtacacttt 480
 ctaaagaagt gccagcctcg acccactatg ttgtgaacca tgttcatagt tatcgggcat 540
 g 541

<210> 1608
 <211> 431
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (33)..(33)
 <223> n = unknown

<220>
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 <222> (109)..(109)
 <223> n = unknown

<220>
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 <222> (123)..(123)
 <223> n = unknown

<220>
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 <222> (303)..(303)
 <223> n = unknown

<220>
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 <222> (306)..(306)
 <223> n = unknown

<220>
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 <222> (365)..(365)
 <223> n = unknown

<220>
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 <222> (384)..(384)
 <223> n = unknown

<220>
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 <222> (389)..(389)
 <223> n = unknown

<400> 1608
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 aattgaattt attagattat ataaaactga aaattatcat ggaatgtant ttaaaatcat 120
 acngaaaaaa acaaatataa taataaaatt tgataatatt tcaacaactt gtagctagta 180
 cggcagaata ctgtttcaca acaacatact ttcattttaa caatagaatc attattttat 240
 aagtatctac aatttcttta aacattaata catgtcttca tgttttcctt acattaagga 300
 tgnngntagt accagacatc ccaaaaactg atttaatat ctttacatgg agaagacatc 360

atatnaaggg aaataaaata tggnattgnt ggaaacttta gtaagatttt taatgacgag 420
aatccctggg t 431

<210> 1609
<211> 510
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (500)..(501)
<223> n = unknown

<220>
<221> misc_feature
<222> (503)..(503)
<223> n = unknown

<400> 1609
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caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat 180
agattttgaa taataacata gaaattatac tttttttttg atgactctaa taaaaaaaaat 240
gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaatggc 300
catgtctgaa aagattttcta tgtgtatttt tttgttaaca ttttattggt gaatggataa 360
aagataaata caattttata agctgttttg ataaattaat tttgaataaa tccataatca 420
tagaatatgt taagtagcaa attaaaatat ggaccacaaa ccacaaaatg tatacgaaat 480
ataacttata tgattttttt nanaaaaaaa 510

<210> 1610
<211> 445
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (28)..(28)
<223> n = unknown

<220>
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<222> (38)..(38)
<223> n = unknown

<220>

<221> misc_feature
 <222> (46)..(46)
 <223> n = unknown

<220>
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 <222> (57)..(57)
 <223> n = unknown

<220>
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 <222> (101)..(101)
 <223> n = unknown

<220>
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 <222> (161)..(161)
 <223> n = unknown

<220>
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 <222> (403)..(403)
 <223> n = unknown

<400> 1610
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 gtgtattttt ttttcgtaaa aaaaataacc aatatctaca nttgtctttg acacaatata 120
 ttaataacag aactaacat agtctttgaa ataacatagt nttaatat ttt gtattaaggc 180
 actcaatact ataggaatac ttggaacgcg cattgctaaa ttcctcgctt atccaaaata 240
 cgtataaata cttattatca attatagggg catattgcta aatgacttaa aatcaataaa 300
 aagcgaatct cgcgtataaa aaaatgccat catcatatct cactgtgtgt aaaaatatta 360
 aaaatttgat caccgatgat tttgctgac acaacttatg ctngactcac aatatgtgaa 420
 ttaaacaatga gctctcttat atttg 445

<210> 1611
 <211> 386
 <212> DNA
 <213> Ctenocephalides felis

<400> 1611
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 agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag 120
 tataattgca tttcacaaca cagcagcgaa atatgggttat ggtccatatg aagcaatgct 180
 cgttcttcta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcaactcaca 240
 tgctatcaga gatgttctctg atattaaaaa tgttaaactcg caattataat ctagaattat 300
 tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatat 360

tgccattgcc ctgagttgtg taggggt

386

<210> 1612
<211> 504
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (30)..(30)
<223> n = unknown

<220>
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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

<220>
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<222> (241)..(241)
<223> n = unknown

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<222> (299)..(299)
<223> n = unknown

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<223> n = unknown

<220>
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<223> n = unknown

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<223> n = unknown

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<223> n = unknown